

AIC

Vol.C22

ENCLOSURE ■ STORAGE ■ PLATFORM ■ SOLUTION

*Cloud Data Center
Media and Entertainment
Network Security
Industrial PC
Surveillance and more*



Worldwide Deployment

Fremont, CA | United States
Northern California



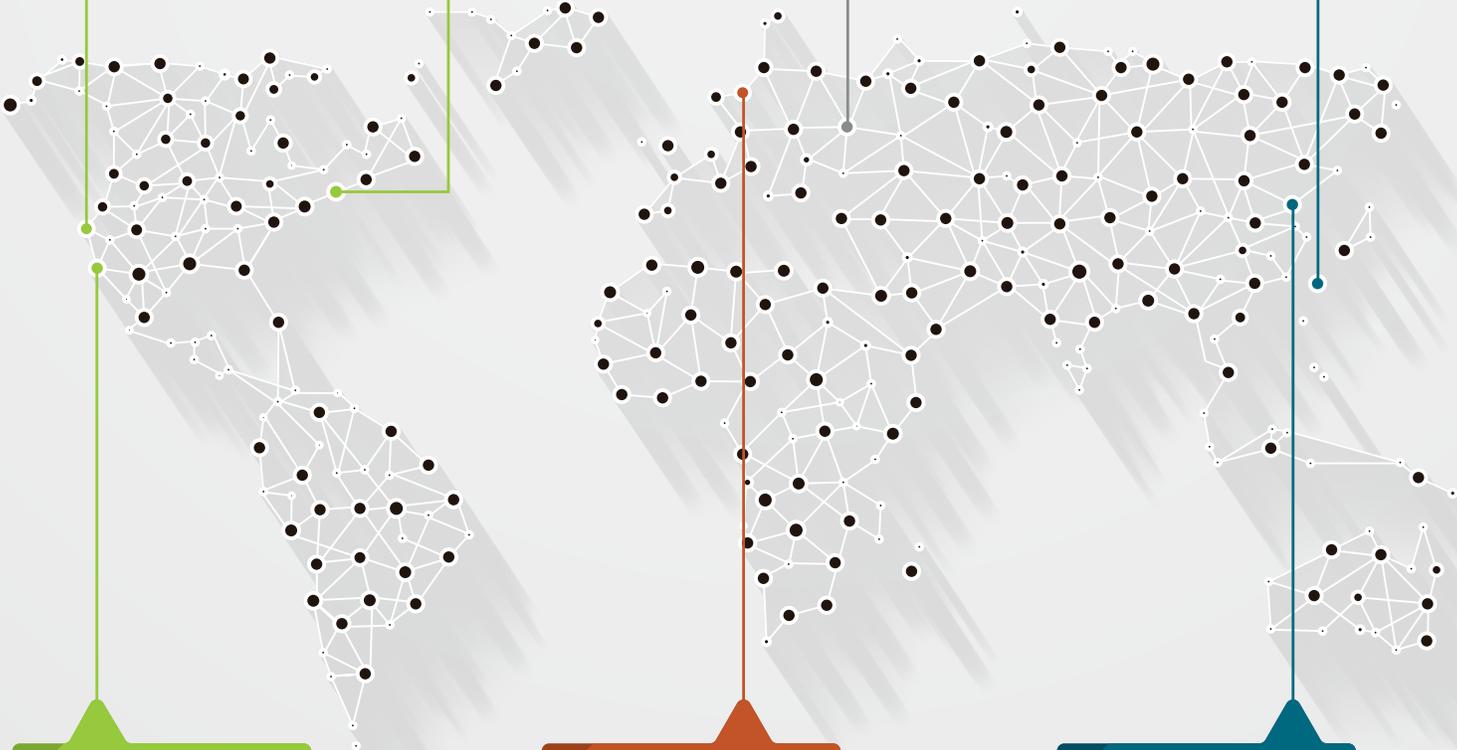
Parsippany, NJ | United States
New Jersey



Moscow | Russia
Moscow



Taoyuan City | Taiwan
Taipei (HQ)



Southern California
City of Industry, CA | United States



Utrecht
Houten | The Netherlands



Shanghai
Shanghai | China

About AIC

AIC is a leading provider of both OEM/ODM and COTS (commercial off-the-shelf) and server and storage solutions. With expert in-house design, manufacturing and validation capabilities, AIC's products are highly flexible and configurable to any form factor, standard or custom. AIC leads the industry since 1996 with experience in mechanical, electronic, system-level engineering as well as a dedication to innovation and customer satisfaction. Headquartered in Taiwan, AIC has offices and operations throughout the United States, Asia and Europe. For more information on AIC products, please visit our website: www.aicipc.com

Solution Groups

Enclosure

AIC offers rackmount chassis for various applications. There are over 30 models to choose from. We can also modify the chassis or design one from scratch for your project.



Storage

AIC provides JBOD storage enclosures with hot swap and modular design features. The JBODs are available in 2U, 3U and 4U form factors, supporting from 12 to 108 drives.



Platform

AIC's server hardware features MAX I/O technology, which supports maximum PCI express lanes and allows for highly customizable solutions to be created in the shortest possible design period.



About MAX I/O

Maximize Your I/O Usage with MAX I/O

What is MAX I/O?

MAX I/O is a new and innovative way of utilizing PCI Express at the source, the system processor. By intercepting the PCIe signals at the processor, you can decide how you would like to configure and manage the PCIe to create the most available bandwidth.

Why MAX I/O?

1. Enables multiple I/O configurations from the same server board, maximizing design flexibility and minimizing time-to-market
 - a. Use the same server board, with different I/O boards to create additional solutions
 - b. By using the same server board, you minimize hardware development costs
 - c. Enables ISV's to minimize software configurations by using the same hardware
 - d. Lowers design risk by only modifying the I/O riser boards
2. MAX I/O works with any brand of PCI-based HBAs for applications like Security & Surveillance, Imaging Compression, Network Accelerator, Finance Technology, Digital Media, Telecommunications, and many more.

How MAX I/O Works?

Using a combination of the processor's BIOS, signal routing, connectors, and riser cards, MAX I/O enables your design to manage the PCIe lanes individually (x4 lane increments) or as a group (2 or more increments). This allows designers the freedom to decide on what level of I/O expansion they want by choosing one of many connectors and riser cards that will fill their unique I/O expansion requirement.

Don't compromise your design requirements! Leverage MAX I/O and put the decision of how to use PCI Express in the control of your system designers and not in the hands of the motherboard supplier!

MAX I/O®
Maximum I/O

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Front View

12 x 3.5" hot swap drive bays



Features

- Ruggedized design (Internal board to board connection)
- Tool-less design
- Hot-swap expander modules, drives, PSU, fans
- Short-depth
- Clear front panel LED indicators
- Optimized thermal solution
- BMC onboard

Rear View

2 x 60x56mm hot swap fans



4 x Mini SAS HD per expander module

550W 1+1 hot swap redundant power supply 80+ Platinum

Specifications

General	Number of Expander	Single/Dual
	Expander Chip	LSI SAS35X40
	Host/Expansion Interface	4 x Mini SAS HD (SFF-8644) per expander module
Drives Supported	Drive Interface	12Gb & 6Gb SAS if using dual expanders 12Gb & 6Gb SAS/SATA if using single expander
	Form Factor	3.5"
Administration / Management	Admin/Firmware Upgrade	In-band & Serial port interface IEM port
	LED indicators, Audible Alarm	Yes
Hot swap and Redundancy	Drive Bays	12
	Cooling	2 x 60x56mm hot swap fans
	Power Supply	550W 1+1 hot swap redundant 80+ Platinum
Hot swap and Redundancy	Power Entry	Dual AC Inlet
	Expander Modules	Dual expanders (Optional)

Electrical and Environmental	Universal A/C Input	<ul style="list-style-type: none"> • 100~127V, 50/60Hz, 7.0A • 200~240V, 50/60Hz, 3.5A
	Operating Environment	<ul style="list-style-type: none"> • Temperature : 0°C to 35°C • Relative humidity : 20% to 80%
	Non-operating Environment	<ul style="list-style-type: none"> • Operating altitude condition : 0 ~ 10K ft • Storage temperature : -20° ~ 60°C • System relative humidity : 10% - 90%
Physical Specification	Dimensions (W x D x H)	mm : 438 x 385.45 x 88.2 inches : 17.2 x 15.2 x 3.5
	Gross Weight (w/ PSU, Rail; w/o Pallet, Disks)	kgs : 20.98 lbs : 46.25
	Packaging Dimensions (W x D x H)	mm : 605 x 680 x 318 inches : 23.8 x 26.8 x 12.5
Mounting	Options	Adjustable plate (support rack post: 400-500mm) 20" tool-less rail

Ordering Information

SKU Number	Description
XJ1-20123-01	2U 12 x 3.5" hot-swap bays, hot-swap JBOD with single SAS 12G expander controller, single BMC, tool-less HDD tray, 550W 1+1 hot-swap redundant 80+ Platinum, tool-less rail kit (35X series)
XJ1-20123-02	2U 12 x 3.5" hot-swap bays, hot-swap JBOD with dual SAS 12G expander controller, dual BMC, tool-less HDD tray, 550W 1+1 hot-swap redundant 80+ Platinum, tool-less rail kit (35X series)
XJ1-20123-03	2U 12 x 3.5" hot-swap bays, hot-swap JBOD with single SAS 12G expander controller, single BMC, tool-less HDD tray, 550W 1+1 hot-swap redundant 80+ Platinum, adjustable plate (35X series)
XJ1-20123-04	2U 12 x 3.5" hot-swap bays, hot-swap JBOD with dual SAS 12G expander controller, dual BMC, tool-less HDD tray, 550W 1+1 hot-swap redundant 80+ Platinum, adjustable plate (35X series)





Features

- Ruggedized design (Internal board to board connection)
- Tool-less design
- Hot-swap expander modules, drives, PSU, fans
- Short-depth
- Clear front panel LED indicators
- Optimized thermal solution
- BMC onboard

Front View

24 x 2.5" hot swap drive bays



Rear View

2 x 60x56mm hot swap fans



4 x Mini SAS HD per expander module

550W 1+1 hot swap redundant power supply 80+ Platinum

Specifications

General	Number of Expander	Single/Dual
	Expander Chip	LSI SAS35X40
	Host/Expansion Interface	4 x mini SAS HD (SFF-8644) per expander module
Drives Supported	Drive Interface	12Gb & 6Gb SAS if using dual expanders 12Gb & 6Gb SAS/SATA if using single expander
	Form Factor	SFF 2.5"
Administration / Management	Admin/Firmware Upgrade	• In-band & Serial port interface • IEM port
	LED Indicators, Audible Alarm	Yes
Hot swap and Redundancy	Disk Drive	24 hot swap
	Cooling	2 x 60x56mm hot swap fans
	Power Supply	550W 1+1 hot-swap redundant 80+ Platinum
	Power Entry	Dual AC Inlet
	Expander Modules	Dual expanders (Optional)

Electrical and Environmental	Universal A/C Input	• 100~127V~,50/60Hz, 7.0A • 200~240V~,50/60Hz, 3.5A
	Operating Environment	Temperature : 0°C to 35°C Relative humidity : 20% to 80%
	Non-operating Environment	Temperature : -20°C to 60°C Relative humidity : 10% to 90%
Physical Specification	Dimensions (W x D x H)	mm : 438 x 345 x 87.5 inches : 17.2 x 13.6 x 3.4
	Gross Weight (w/ PSU, Rail; w/o Pallet, Disks)	kgs : 20.05 lbs : 44.2
	Packaging Dimensions (W x D x H)	mm : 605 x 640 x 318 inches : 23.8 x 25.2 x 12.5
Mounting	Options	Adjustable plate (support rack post: 400-500mm) 20" tool-less rail

Ordering Information

SKU Number	Description
XJ1-20246-01	2U 24x 2.5" hot-swap bays, hot-swap JBOD with single SAS 12G expander controller, single BMC, tool-less HDD tray, 550W 1+1 hot-swap redundant 80+ Platinum, tool-less rail kit (35X series)
XJ1-20246-02	2U 24x 2.5" hot-swap bays, hot-swap JBOD with dual SAS 12G expander controller, dual BMC, tool-less HDD tray, 550W 1+1 hot-swap redundant 80+ Platinum, tool-less rail kit (35X series)
XJ1-20246-03	2U 24x 2.5" hot-swap bays, hot-swap JBOD with single SAS 12G expander controller, single BMC, tool-less HDD tray, 550W 1+1 hot-swap redundant 80+ Platinum, adjustable plate (35X series)
XJ1-20246-04	2U 24x 2.5" hot-swap bays, hot-swap JBOD with dual SAS 12G expander controller, dual BMC, tool-less HDD tray, 550W 1+1 hot-swap redundant 80+ Platinum, adjustable plate (35X series)



Features

- Ruggedized design (Internal board to board connection)
- Tool-less design
- Hot-swap expander module, drives, PSU and fans
- Short-depth
- Clear front panel LED indicators
- Optimized thermal solution
- BMC onboard

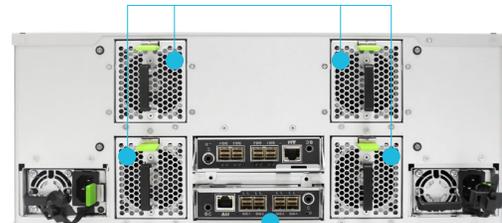
Front View

24 x 3.5" hot swap drive bays



Rear View

4 x 60x56mm hot swap fans



4 x Mini SAS HD per expander module

Specifications

General	Number of Expander	Single/Dual
	Expander Chip	LSI SAS35x40
	Host/Expansion Interface	4 x Mini SAS HD (SFF-8644) per expander module
Drives Supported	Drive Interface	<ul style="list-style-type: none"> • 12Gb & 6Gb SAS if using dual expanders • 12Gb & 6Gb SAS/SATA if using single expander
	Form Factor	3.5"
Administration / Management	Admin/Firmware Upgrade	<ul style="list-style-type: none"> • In-band & Serial port interface • IEM port
	LED indicators, Audible Alarm	Yes
Hot swap and Redundancy	Drive Bays	24
	Cooling	4 x 60x56mm hot swap fans
	Power Supply	550W 1+1 hot swap redundant 80+ Platinum
Hot swap and Redundancy	Power Entry	Dual AC Inlet
	Expander Modules	Dual expanders (Optional)

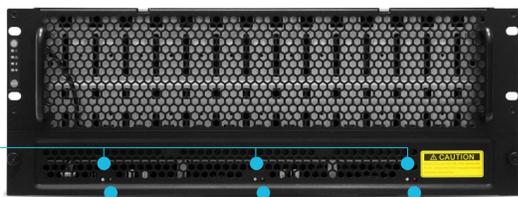
Electrical and Environmental	Universal A/C Input	<ul style="list-style-type: none"> • 100~127V~, 50/60Hz, 7.0A • 200~240V~, 50/60Hz, 3.5A
	Operating Environment	Temperature : 0°C to 35°C Relative humidity : 20% to 80%
	Non-operating Environment	Temperature : -20°C to 60°C Relative humidity : 10% to 90%
Physical Specification	Dimensions (W x D x H)	mm : 438 x 385.5 x 174.4 inches : 17.2 x 15.1 x 6.9
	Gross Weight (w/ PSU; w/o Rail & Disks)	kgs : 25.93 lbs : 57.17
	Packaging Dimensions (W x D x H)	mm : 605 x 680 x 446 inches : 23.8 x 26.8 x 17.6
Mounting	Options	Adjustable plate (support rack post: 400-500mm) 20" tool-less rail

Ordering Information

SKU Number	Description
XJ1-40244-01	4U 24x 3.5" hot-swap bays, hot-swap JBOD with single SAS 12G expander controller, single BMC, tool-less HDD tray, 550W 1+1 hot-swap redundant 80+ Platinum, tool-less rail kit (35X series)
XJ1-40244-02	4U 24x 3.5" hot-swap bays, hot-swap JBOD with dual SAS 12G expander controller, dual BMC, tool-less HDD tray, 550W 1+1 hot-swap redundant 80+ Platinum, tool-less rail kit (35X series)
XJ1-40244-03	4U 24x 3.5" hot-swap bays, hot-swap JBOD with single SAS 12G expander controller, single BMC, tool-less HDD tray, 550W 1+1 hot-swap redundant 80+ Platinum, adjustable plate (35X series)
XJ1-40244-04	4U 24x 3.5" hot-swap bays, hot-swap JBOD with dual SAS 12G expander controller, dual BMC, tool-less HDD tray, 550W 1+1 hot-swap redundant 80+ Platinum, adjustable plate (35X series)



Front View



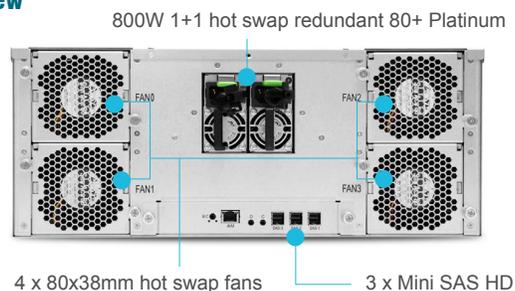
Status LED (Blue)

Fail LED (Red)

Features

- Intelligent Enclosure Management
- Individual drive power management
- Easy swap design for maintenance and management
- Zoning support for easy deployment
- Optimized Thermal and Energy saving solution
- Tool-less drive trays

Rear View



JBOD

Specifications

General	Number of Expander	Single
	Expander Chip	Broadcom SAS35x36R + Broadcom SAS35x28R
	Host/Expansion Interface	3 x Mini SAS HD
Drives Supported	Drive Interface	12Gb and 6Gb SAS/SATA
	Form Factor	3.5"
Administration / Management	Admin/Firmware Upgrade	In-band & Serial port interface IEM port (Optional)
	LED indicators, Audible Alarm	Yes
Hot swap and Redundancy	Drive Bays	60
	Cooling	4 x 80x38mm hot swap fans
	Power Supply	800W 1+1 hot swap redundant 80+ Platinum
	Power Entry	Dual AC inlet
	Expander Modules	Single expander

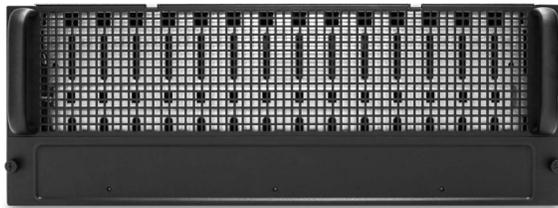
Electrical and Environmental	Universal A/C Input	100~240V AC full range Option : 336HVDC or -48DC
	Operating Environment	Temperature : 0°C to 35°C Relative humidity : 20% to 80%
	Non-operating Environment	Temperature : -20°C to 60°C Relative humidity : 10% to 90%
Physical Specification	Dimensions (W x D x H)	mm : 435 x 795 x 175.8 inches : 17 x 31.3 x 6.9
	Gross Weight (w/ PSU, Rail and Pallet; w/o Disks)	kgs : 52.8 lbs : 116.4
	Packaging Dimensions (W x D x H)	mm : 620 x 1140 x 550 inches : 24.4 x 44.9 x 21.7
Mounting	Standard	26" tool-less slide rail

Ordering Information

SKU Number	Description
XJ1-40602-01	4U 60x 3.5" hot-swap bays, easy-swap JBOD w/ single SAS 12G expander controller, tool-less HDD tray, 800W 1+1 AC100~240V 80+ platinum CRPS, with tool-less slide rail
XJ1-40602-02	4U 60x 3.5" hot-swap bays, easy-swap JBOD w/ single SAS 12G expander controller, tool-less HDD tray, 800W 1+1 AC100~240V 80+ platinum CRPS, single BMC option, with tool-less slide rail
XJ1-40602-03	4U 60x 3.5" hot-swap bays, easy-swap JBOD w/ single SAS 12G expander controller, tool-less HDD tray, 800W 1+1 DC336V CRPS, with tool-less slide rail
XJ1-40602-04	4U 60x 3.5" hot-swap bays, easy-swap JBOD w/ single SAS 12G expander controller, tool-less HDD tray, 800W 1+1 DC336V CRPS, single BMC option, with tool-less slide rail
XJ1-40602-05	4U 60x 3.5" hot-swap bays, easy-swap JBOD w/ single SAS 12G expander controller, tool-less HDD tray, 800W 1+1 DC-48V CRPS, with tool-less slide rail
XJ1-40602-06	4U 60x 3.5" hot-swap bays, easy-swap JBOD w/ single SAS 12G expander controller, tool-less HDD tray, 800W 1+1 DC-48V CRPS, single BMC option, with tool-less slide rail



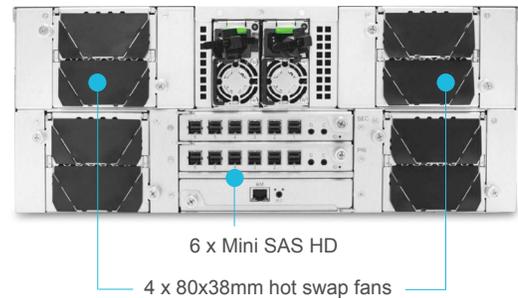
Front View



Features

- Intelligent Enclosure Management
- Individual drive power management
- Hot swap design for easy maintenance and management
- Enclosure Cable Management Kit
- Tool-less drive trays

Rear View



Specifications

General	Number of Expander	Single/Dual
	Expander Chip	Broadcom SAS3x36R + Broadcom SAS3x48
	Host/Expansion Interface	6 x Mini SAS HD (SFF-8644) per expander module
Drives Supported	Drive Interface	12Gb & 6Gb SAS if using dual expanders 12Gb & 6Gb SAS/SATA if using single expander
	Form Factor	3.5"
Administration / Management	Admin/Firmware Upgrade	In-band & Serial port interface IEM port (Optional)
	LED indicators, Audible Alarm	Yes
Hot swap and Redundancy	Drive Bays	60
	Cooling	4 x 80x38mm hot swap fans
	Power Supply	1200W 1+1 hot swap redundant 80+ Platinum
	Power Entry	Dual AC inlet
	Expander Modules	Dual SAS topology (Optional)

Electrical and Environmental	Universal A/C Input	100~127V,50/60Hz, Total Power 800W 200~240V,50/60Hz, Total Power 1200W Max
	Operating Environment	Temperature : 0°C to 35°C Relative humidity : 20% to 80%
	Non-operating Environment	Temperature : -20°C to 60°C Relative humidity : 10% to 90%
Physical Specification	Dimensions (W x D x H)	mm : 438 x 865.3 x 175.8 inches : 17.2 x 34 x 6.9
	Gross Weight (w/ PSU, Rail and Pallet; w/o Disks)	kgs : 58.5 lbs : 128.9
	Packaging Dimensions (W x D x H)	mm : 630 x 1220 x 510 inches : 24.8 x 48 x 20
Mounting	Options	<ul style="list-style-type: none"> • Long tool-less slide rail for 1.2m Rack (with CMA support) • Cable management kit • Short tool-less slide rail for 1m Rack (without CMA support)

Ordering Information

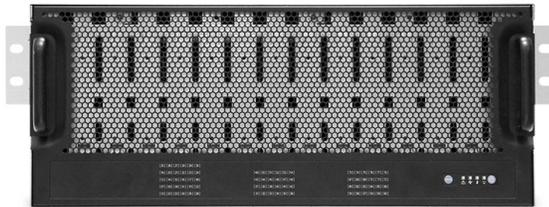
SKU Number	Description
XJ1-40603-01	4U 60x 3.5" hot-swap bays, hot-swap JBOD with single SAS 12G expander controller, tool-less HDD tray, 1200W 1+1 hot-swap redundant 80+ platinum
XJ1-40603-02	4U 60x 3.5" hot swap bays, hot-swap JBOD with single SAS 12G expander controller, tool-less HDD tray, 1200W 1+1 hot-swap redundant 80+ platinum, with BMC
XJ1-40603-03	4U 60x 3.5" hot-swap bays, hot-swap JBOD with dual SAS 12G expander controller, tool-less HDD tray, 1200W 1+1 hot-swap redundant 80+ platinum
XJ1-40603-04	4U 60x 3.5" hot-swap bays, hot-swap JBOD with dual SAS 12G expander controller, tool-less HDD tray, 1200W 1+1 hot-swap redundant 80+ platinum, with BMC



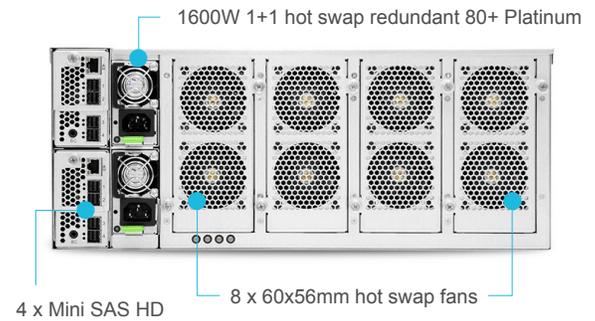
Features

- Intelligent Enclosure Management
- Individual drive power management
- Hot swap design for easy maintenance and management
- Enclosure Cable Management Kit
- Tool-less drive trays
- Designed for 1000mm depth rackmount server cabinet

Front View



Rear View



JBOD

Specifications

General	Number of Expander	Single/Dual
	Expander Chip	Broadcom SAS35x48
	Host/Expansion Interface	4 x Mini SAS HD (SFF-8644) per expander module
Drives Supported	Drive Interface	12Gb & 6Gb SAS if using dual expanders 12Gb & 6Gb SAS/SATA if using single expander
	Form Factor	3.5"
Administration / Management	Admin/Firmware Upgrade	In-band & IEM port
	LED Indicators, Audible Alarm	Yes
Hot swap and Redundancy	Drive Bays	78
	Cooling	• 8 x 60x56mm hot swap fans • 1 x 40x56mm fan per expander module
	Power Supply	1600W 1+1 hot swap redundant 80+ Platinum
	Power Entry	Dual AC Inlet
	Expander Modules	Dual SAS topology (Optional)

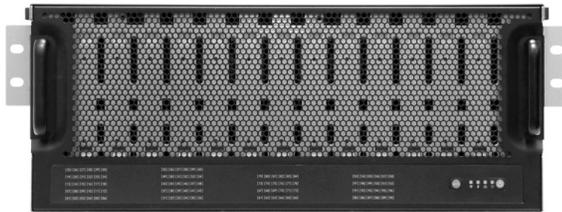
Electrical and Environmental	AC Input	• 200-240V,50/60Hz,12A (except China/Taiwan) • 200-240V,50/60Hz,10A (for China/Taiwan)
	Operating Environment	Temperature : 0°C to 35°C Relative humidity : 20% to 80%
	Non-operating Environment	Temperature : -20°C to 60°C Relative humidity : 10% to 90%
Physical Specification	Dimensions (W x D x H)	mm : 434 x 810.5 x 176 434 x 974.7 x 176 (with CMA) inches : 17 x 31.9 x 7 17 x 38.4 x 7 (with CMA)
	Gross Weight (w/ PSU, Rail and Pallet; w/o Disks)	kgs : 57.67 lbs : 127.1
	Packaging Dimensions (W x D x H)	mm : 675 x 1120 x 536 inches : 26.6 x 44.1 x 21.1
Mounting	Standard	31" fixed rail
	Option	Cable Management Kit

Ordering Information

SKU Number	Description
XJ1-40781-01	4U 78x 3.5" hot-swap bays, hot-swap JBOD with single SAS 12G expander controller, single BMC, tool-less HDD tray, 1600W 1+1 hot-swap redundant 80+ platinum, tool-less rail kit
XJ1-40781-02	4U 78x 3.5" hot-swap bays, hot-swap JBOD with dual SAS 12G expander controller, dual BMC, tool-less HDD tray, 1600W 1+1 hot-swap redundant 80+ platinum, tool-less rail kit



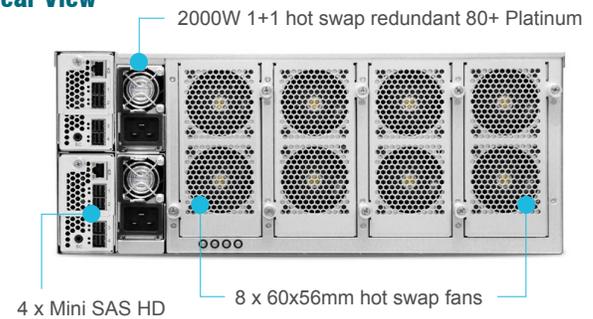
Front View



Features

- Intelligent Enclosure Management
- Individual drive power management
- Hot swap design for easy maintenance and management
- Enclosure Cable Management Kit
- Tool-less drive trays

Rear View



Specifications

General	Number of Expander	Single/Dual
	Expander Chip	Broadcom SAS35X48
	Host/Expansion Interface	4 x Mini SAS HD (SFF-8644) per expander module
Drives Supported	Drive Interface	12Gb & 6Gb SAS if using dual expanders 12Gb & 6Gb SAS/SATA if using single expander
	Form Factor	3.5"
Administration / Management	Admin/Firmware Upgrade	In-band & IEM port
	LED Indicators, Audible Alarm	Yes
Hot swap and Redundancy	Drive Bays	108
	Cooling	• 8 x 60x56mm hot swap fans • 1 x 40x56mm fan per expander module
	Power Supply	2000W 1+1 hot swap redundant 80+ Platinum • Socket type: C20 (Power code type: C19)
	Power Entry	Dual AC Inlet
	Expander Modules	Dual SAS topology (Optional)

Electrical and Environmental	AC Input	200~240V,50/60Hz,15A
	Operating Environment	Temperature : 0°C to 35°C Relative humidity : 20% to 80%
	Non-operating Environment	Temperature : -20°C to 60°C Relative humidity : 10% to 90%
Physical Specification	Dimensions (W x D x H)	mm : 434 x 1050 x 176 434 x 1273 x 176 (with CMA) inches : 17 x 41 x 7 17 x 50 x 7 (with CMA)
	Gross Weight (w/ PSU, Rail and Pallet; w/o Disks)	kgs : 66.97 lbs : 147.6
	Packaging Dimensions (W x D x H)	mm : 640 x 1380 x 526 inches : 25.2 x 54.3 x 20.7
Mounting	Standard	41" fixed rail
	Option	Cable Management Kit

Ordering Information

SKU Number	Description
XJ1-41081-01	4U 108x 3.5" hot-swap bays, hot-swap JBOD with single SAS 12G expander controller, single BMC, tool-less HDD tray, 2000W 1+1 hot-swap redundant 80+ platinum, tool-less rail kit
XJ1-41081-02	4U 108x 3.5" hot-swap bays, hot-swap JBOD with dual SAS 12G expander controller, dual BMC, tool-less HDD tray, 2000W 1+1 hot-swap redundant 80+ platinum, tool-less rail kit



Front View

Large-size, low-noise cooling fans



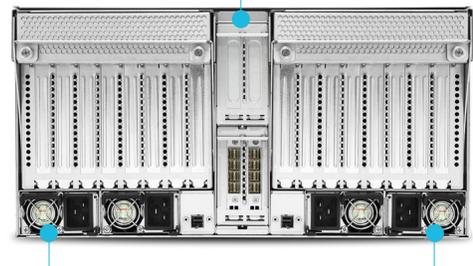
Front control board / BMC management port

Features

- Based on Broadcom Atlas 88096 PCIe Gen4 Switch Solution
- 450mm short-depth system design
- High-efficiency/wattage redundant power supply
- High-performance and low noise swappable system fans
- BMC for system remote monitoring
- Extended PCIe slot pitch for better air cooling flow
- 4U height PCIe card carrier design for top insertion power input Gaming GPU cards
- Modular backplane design options for different applications
- PCIe X16 GPU / PCIe X8 Add-on cards / PCIe X4 NVMe

Rear View

2 x swappable drawers / PSU /
2 x low-profile slots / PCIe SFF8644



- 2000W dual 1+1 hot swap redundant 80+ Platinum
- 1200W dual 1+1 hot swap redundant 80+ Platinum

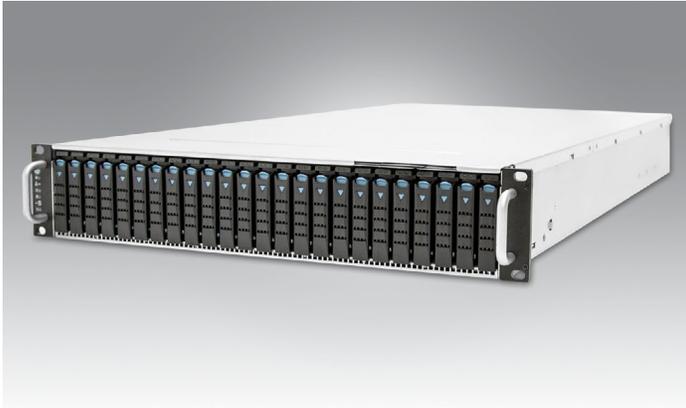
Specifications

General	PCI Switches Chip	Broadcom Atlas PEX88096 PCIe Gen4 Switch
	Host/Expansion Interface	2 x sets of 4 SFF-8644 for Host uplink
PCIe card Supported	Form Factor	Supports 8 x full-height, full-length dual slot/double width cards 2 x PCIe X16 HHHL add-on cards 2 x PCIe X1 link for PCIe switch management
BMC	ASPEED AST2520 BMC module IPMI 2.0 compliance	
Hot swap and Redundancy	Cooling	6 x 12038 PWM fans
	Power Supply	• 2000W dual 1+1 hot swap redundant 80+ Platinum • 1200W dual 1+1 hot swap redundant 80+ Platinum
	Power Entry	AC Inlet • 2000W module C20 • 1200W module C14

Electrical and Environmental	Universal A/C Input	• 2000W module AC200-240V • 1200W module AC90-240V
	Operating Environment	• Operating temperature : 0° - 35°C • System relative humidity : 20% - 80%
	Non-operating Environment	• Operating altitude condition : 0 ~ 10K ft • Storage temperature : -20° ~ 60°C • System relative humidity : 10% - 90%
Physical Specification	Dimensions (W x D x H)	mm : 435 x 450 x 219 inches : 17.1 x 17.7 x 8.6
	Gross Weight (w/ PSU, Rail; w/o Pallet, Disks)	kgs : 34.5 lbs : 76.1
	Packaging Dimensions (W x D x H)	mm : 615 x 830 x 448 inches : 24.2 x 32.7 x 17.6
Mounting	Standard	26" tool-less slide rail

Ordering Information

SKU Number	Description
XJ1-50102-01	5U JBOX with 2x 4 double slots FHFL PCIe Gen4 add-in cards slots, 2x 4x 8644 PCIe host connection, 2x 2000W 1+1 redundant power supply, 26" slide rail
XJ1-50102-02	5U JBOX with 2x 8 single slots FHFL PCIe Gen4 add-in cards slots, 2x 4x 8644 PCIe host connection, 2x 1200W 1+1 redundant power supply, 26" slide rail



Front View



Features

- 2U 2-Node high-availability storage server supports 24 hot swap 2.5" SAS drive bays
- Optimized for mission-critical, enterprise-level storage applications
- Fully redundant, fault-tolerant system supporting hot swappable controller nodes and storage drives
- Supports 2nd Gen. Intel® Xeon® Scalable processors (Cascade Lake Refresh/Cascade Lake/Skylake)
- Option for PCIe NTB line between nodes for communication and fail-over
- Build-in Broadcom SAS3x36R SAS expander per node

Rear View

2 x 10GbE SFP+ (per node)



Specifications

Dimensions (W x D x H)	mm : 435 x 816.85 x 87.9		
	inches : 17.1 x 32.1 x 3.4		
Motherboard (per node)	AIC Server Board Pavo		
Processor (per node)	Processor Support	<ul style="list-style-type: none"> • Intel® Xeon® Scalable Processors (Cascade Lake Refresh/Cascade Lake/Skylake) • Supports CPU TDP up to 165W <i>*Please contact AIC Technical Support for more info/details about optimized CPUs and specialized system.</i>	
	UPI Speeds	10.4 GT/s, 9.6 GT/s	
	Socket Type	Socket P0 (LGA-3647 Socket)	
Chipset Support (per node)	Intel® Lewisburg C620 series PCH		
System Memory (per node)	<ul style="list-style-type: none"> • 6 x memory channels per CPU, 2 channels with 2DPC + 4 channels with 1DPC • 16 x DIMM slots support: DDR4 2933/2666/2400MHz • Intel® Optane™ DC Persistent Memory (Apache Pass) support 		
Front Panel	System power on/off		
LEDs	A	<ul style="list-style-type: none"> • Power (Secondary) • Warning 	
	B	<ul style="list-style-type: none"> • Power (Primary) • Warning 	
Drive Bays	External	2.5" hot swap	24
	Internal	2.5"	2 (per node)
Backplane	1 x 24-port 12Gb SAS dual-loop		
Expansion Slots (per node)	PCIe 3.0	<ul style="list-style-type: none"> • 3 x8 slots (2 LP, 1 internal LP) • 1 x OCP Mezzanine card V2.0 <i>*Please contact AIC Technical Support for custom rear bracket about PCIe and OCP card.</i>	

Expander Board (per node)	1 x 36-port 12Gb SAS expander board with 3 SFF-8643 connectors	
	Riser Card (included) (per node)	RC-PE2U04-TY 3 x8 PCIe slots
System BIOS	BIOS Type	Insyde UEFI BIOS
	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • WOL • AC loss recovery • IPMI KCS interface • SMBIOS • Serial console redirection • BIOS Boot Specification • BIOS Recovery Mode • SRIOV • iSCSI • TPM • PCIe Hotplug
On-board Devices	SATA	<ul style="list-style-type: none"> • Intel® Lewisburg PCH on-chip solution • 4 x SATA 6.0 Gb/s (by 1 x mini-SAS HD) • 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin) • 5 x SATA 6.0 Gb/s (by MAX I/O) • RAID 0, 1, 5, 10 support by Intel RSTe
	BMC	<ul style="list-style-type: none"> • Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support • HTML5 • Redfish
	Network Controllers	<ul style="list-style-type: none"> • Intel® PCH (Lewisburg) Integrated 10GbE LAN controller w/ dual SFP+ rear connectors • Intel® I350 dual-port RJ45 rear connectors • Realtek RTL8211E GbE Ethernet for BMC dedicated management port
Graphics	<ul style="list-style-type: none"> • Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp 	

Top View



1300W 1+1 redundant power supply 80+ Platinum

2 x 60x56mm easy swap fans (per node)

(Power supply and Server board are included.)

HA201-PV

Rear I/O (per node)	LAN	<ul style="list-style-type: none"> • 2 x 10GbE SFP+ • 2 x GbE RJ45 • 1 x GbE RJ45 dedicated to BMC management
	USB	2 x USB 3.0 Type A
	VGA	1 x external DB-15 VGA port
	Serial Port	1 x audio jack for COM port
TPM Support	2.0 onboard	
Power Supply	1300W 1+1 redundant power supply 80+ Platinum • AC INPUT : 100-120V,50/60Hz,12A • DC OUTPUT : 900W • AC INPUT : 200-240V,50/60Hz,8A • DC OUTPUT : 1300W	
System Cooling (per node)	2 x 60x56mm easy swap fans	

System Management	<ul style="list-style-type: none"> • IPMI 2.0 • KVM over IP • Media redirection • Temperature, • System temperature • System ID 	<ul style="list-style-type: none"> • Remote Power • SEL message • SNMP support • Intel NM • HTML5 • Redfish
Environmental Specifications	<ul style="list-style-type: none"> • Storage temperature : -10°C(14°F) ~ 60°C(140°F) • Operating temperature : 0°C(32°F) ~ 35°C(95°F) • Storage operating humidity : 5%~95% non-condensing 	
Gross Weight	(w/ PSU & Rail)	kgs : 41
		lbs : 19
Packaging Dimensions	(W x D x H)	mm : 605 x 1060 x 323
		inches : 23.6 x 41.34 x 12.6
Mounting	Standard	28" tool-less slide rail

Ordering Information

SKU Number	Description
XP1-A201PVXX	2U 24-bay high availability storage server, 2x canisters, 2x pavo motherboard (one Board per node), 1x backplane (24x SATA backplane), 3Y 1300W redundant power supply, 2x riser card, 4x Sanyo Denki 6056, 4x 1U passive heatsink, sliding rail 28", w/o bezel



Front View

24 x 2.5" hot swap drive bays



Features

- 2U 2-Node high-availability storage server supports 24 hot swap 2.5" drive bays for NVMe SSDs (U.2)
- Optimized for mission-critical, enterprise-level storage applications
- Fully redundant, fault-tolerant system supporting hot swappable controller nodes and storage drives
- Two compute nodes, Active-Active configuration, each supporting two 2nd Gen. Intel® Xeon® Scalable processors (Cascade Lake Refresh/Cascade Lake/Skylake)
- 1 x16 PCIe, 1 x8 PCIe and 1 OCP Mezzanine slots per node provide direct links to CPU
- PCIe NTB link between nodes for communication and fail-over

Rear View

2 x 10GbE SFP+ (per node)



Specifications

Dimensions (W x D x H)	mm : 435 x 911 x 87		
	inches : 17.1 x 35.9 x 3.4		
Motherboard (per node)	AIC Server Board Pavo		
Processor (per node)	Processor Support	<ul style="list-style-type: none"> • Intel® Xeon® Scalable Processors (Cascade Lake Refresh/Cascade Lake/Skylake) • Supports CPU TDP up to 165W <i>*Please contact AIC Technical Support for more info/details about optimized CPUs and specialized system.</i>	
	UPI Speeds	10.4 GT/s, 9.6 GT/s	
	Socket Type	Socket P0 (LGA-3647 Socket)	
Chipset Support (per node)	Intel® Lewisburg C620 series PCH		
System Memory (per node)	<ul style="list-style-type: none"> • 6 x memory channels per CPU, 2 channels with 2DPC + 4 channels with 1DPC • 16 x DIMM slots support: DDR4 2933/2666/2400MHz • Intel® Optane™ DC Persistent Memory (Apache Pass) support 		
Front Panel	System power on/off		
LEDs	A	<ul style="list-style-type: none"> • Power (Secondary) • Warning 	
	B	<ul style="list-style-type: none"> • Power (Primary) • Warning 	
Drive Bays	External	2.5" hot swap	24
	Internal	2.5"	2 per node
Backplane	1 x 24-port dual loop NVMe backplane		
Expansion Slots (per node)	PCIe 3.0	<ul style="list-style-type: none"> • 1 x16 slot (FH) • 1 x16 slot (x8 mode) (FH) • 1 x OCP Mezzanine card V2.0 <i>*Please contact AIC Technical Support for custom rear bracket about PCIe and OCP card.</i>	

Expander Boards (per node)	2 x 64-port Broadcom/PLX 9765 PCIe switch board	
Riser Card (included) (per node)	RC-PE2U08-TY	1 x16 PCIe slot + 1 x8 PCIe slot
System BIOS	BIOS Type	Insyde UEFI BIOS
	BIOS Features	<ul style="list-style-type: none"> • ACP • PXE • WOL • AC loss recovery • Serial console redirection • BIOS Boot Specification • BIOS Recovery Mode • SMBIOS • SRIOV • iCSI • TPM • PCIe Hotplug
On-board Devices	SATA	<ul style="list-style-type: none"> Intel® Lewisburg PCH on-chip solution • 4 x SATA 6.0 Gb/s (by 1 x mini-SAS HD) • 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin) • 5 x SATA 6.0 Gb/s (by MAX I/O) • RAID 0, 1, 5, 10 support by Intel RSTe
	BMC	<ul style="list-style-type: none"> Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support • HTML5 • Redfish
	Network Controllers	<ul style="list-style-type: none"> • Intel® PCH (Lewisburg) Integrated 10GbE LAN controller with dual SFP+ rear connectors • Intel® I350 dual-port GbE RJ45 rear connectors • Realtek RTL8211E for BMC dedicated management port
Graphics	<ul style="list-style-type: none"> Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp 	

Top View



1300W 1+1 redundant power supply 80+ Platinum

(Power supply and Server board are included.)

HA202-PV

Rear I/O (per node)	LAN	<ul style="list-style-type: none"> • 2 x 10GbE SFP+ • 2 x GbE RJ45 • 1 x GbE RJ45 dedicated to BMC management
	USB	2 x USB 3.0 Type A
	VGA	1 x external DB-15 VGA port
	Serial Port	1 x audio jack for COM port
TPM Support	2.0 onboard	
Power Supply	1300W 1+1 redundant power supply 80+ Platinum • AC INPUT : 100-120V,50/60Hz,12A • DC OUTPUT : 900W • AC INPUT : 200-240V,50/60Hz,8A • DC OUTPUT : 1300W	
System Cooling (per node)	2 x 60x56mm easy swap fans	

System Management	<ul style="list-style-type: none"> • IPMI 2.0 • KVM over IP • Media redirection • Temperature, fan, voltage, PSU sensor monitor • System temperature • System ID / System fail indicator 	<ul style="list-style-type: none"> • Remote Power on/off/reset • SEL message alarm through mail • SNMP support • Intel NM • HTML5 • Redfish
Environmental Specifications	<ul style="list-style-type: none"> • Storage temperature : -10°C(14°F) ~ 60°C(140°F) • Operating temperature : 0°C(32°F) ~ 35°C(95°F) • Storage operating humidity : 5%~95% non-condensing 	
Gross Weight	(w/ PSU & Rail)	kgs : 43.5
		lbs : 95.9
Packaging Dimensions	(W x D x H)	mm : 615 x 1220 x 338
		inches : 24.2 x 48 x 13.3
Mounting	Standard	28" tool-less slide rail

Ordering Information

SKU Number	Description
XP1-A202PV01	2U 24-bay NVMe storage server, 2x canister, 12G EOB 24-port backplane, 1300W redundant power supply Platinum, Pavo motherboard, Intel® Xeon® Scalable Processors, DDR4 RDIMM x16, Intel PCH C622, 2x 10G SFP+, MAX I/O x64, OCP MEZZ v2, with 2 set BBU, 4xCPU heatsinks, 28" slide rail, w/o bezel
XP1-A202PV02	2U 24-bay NVMe storage server, 2x canister with 2x 2.5" HDD cage, 12G EOB 24-port, backplane, 1300W HRP Platinum, Pavo motherboard, Intel® Xeon® Scalable Processors, DDR4 RDIMM x16, Intel PCH C622, 2x 10G SFP, MAX I/O x64, OCP MEZZ v2, 4x CPU heatsinks, 28" slide rail, w/o bezel, w/o BBU



Front View

24 x 3.5" hot swap drive bays



Features

- 4U 2-Node high-availability storage server supports 24 hot swap 3.5" SAS drive bays
- Fully redundant, fault-tolerant system supporting hot swappable compute nodes and storage drives
- Two compute nodes, Active-Active configuration, each supporting two 2nd Gen. Intel® Xeon® Scalable processors (Cascade Lake Refresh/Cascade Lake/Skylake)
- 10GbE, PCIe NTB or SAS link between nodes for communication and fail-over
- Built-in Broadcom SAS3x48R SAS/SATA expander per node
- Intel® Trusted Platform Module (TPM) header to support Intel® Trusted Execution Technology (TXT)

Rear View

2 x 10GbE SFP+

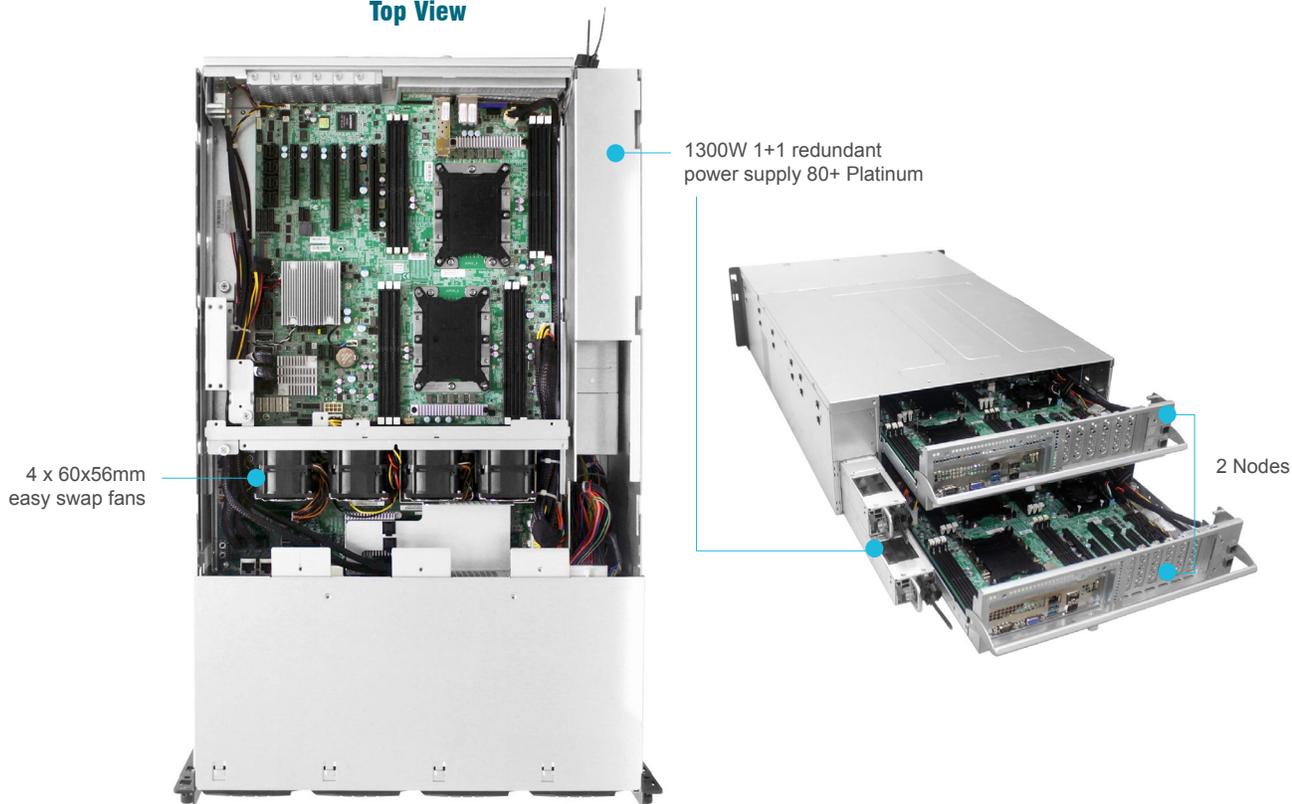


Specifications

Dimensions (W x D x H)	mm : 438 x 705 x 174.5		
	inches : 17.2 x 27.7 x 6.8		
Motherboard (per node)	AIC Server Board Virgo		
Processor (per node)	Processor Support	<ul style="list-style-type: none"> • Intel® Xeon® Scalable Processors (Cascade Lake Refresh/Cascade Lake/Skylake) • Supports CPU TDP up to 165W <i>*Please contact AIC Technical Support for more info/details about optimized CPUs and specialized system.</i> 	
	UPI Speeds	10.4 GT/s, 9.6 GT/s	
	Socket Type	Socket P0 (LGA-3647 Socket)	
Chipset Support (per node)	Intel® Lewisburg C620 series PCH		
System Memory (per node)	<ul style="list-style-type: none"> • 6 x memory channels per CPU, 1 x DIMM per channel • 12 x DIMM slots support: 2933/2666/2400MHz • Intel® Optane™ DC Persistent Memory (Apache Pass) support 		
Front Panel	System power on/off		
LEDs	A	<ul style="list-style-type: none"> • Power (Secondary) • Warning 	
	B	<ul style="list-style-type: none"> • Power (Primary) • Warning 	
Drive Bays	External	3.5" hot swap	24
	Internal	2.5"	2+2 (7mm per node)
Backplane	1 x 24-port 12Gb SAS backplane		
Expander Board (per node)	1 x 48-port 12Gb SAS expander board		

Expansion Slots (per node)	PCIe 3.0	<ul style="list-style-type: none"> • 2 x16 slots (LP) • 3 x8 slots (LP) 	
	BIOS Type	Insyde UEFI BIOS	
System BIOS	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • WOL • AC loss recovery • IPMI KCS interface • SMBIOS • Serial console redirection 	<ul style="list-style-type: none"> • BIOS Boot Specification • BIOS Recovery Mode • SRIOV • iSCSI • TPM • PCIe Hotplug
		SATA/SAS	Intel® Lewisburg PCH on-chip solution <ul style="list-style-type: none"> • 8 x SATA 6.0 Gb/s (by 2 x mini-SAS) • 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin) • RAID 0, 1, 5, 10 support by Intel RSTe Broadcom SAS IOC SAS3008 supports up to 8 ports 12G SAS via 2 x mini-SAS HD (optional)
On-board Devices	BMC	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support • HTML5 • Redfish 	
	Network Controllers	<ul style="list-style-type: none"> • Intel® PCH (Lewisburg) Integrated 10GbE LAN controller with dual 10GbE SFP+ +2x configurable ports support 10GbE (KR/SFI/XFI) or 1GbE (KX) (option) • Realtek RTL8211E for BMC dedicated management port 	
	Graphics	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp 	

Top View



(Power supply and Server board are included.)

Rear I/O (per node)	LAN	<ul style="list-style-type: none"> • 2 x 10GbE SFP+ • 1 x 10/100M RJ45 dedicated to BMC management
	USB	2 x USB 3.0 Type A
	VGA	1 x external DB-15 VGA port
	Serial Port	1 x external DB-9 COM port
TPM Support	2.0 onboard	
Power Supply	1300W 1+1 redundant power supply 80+ Platinum • AC INPUT : 100-120V,50/60Hz,12A • DC OUTPUT : 900W • AC INPUT : 200-240V,50/60Hz,8A • DC OUTPUT : 1300W	
System Cooling (per node)	4 x 60x56mm easy swap fans	

System Management	<ul style="list-style-type: none"> • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support • HTML5 • Redfish 	
Environmental Specifications	<ul style="list-style-type: none"> • Storage temperature : -10°C(14°F) ~ 60°C(140°F) • Operating temperature : 0°C(32°F) ~ 35°C(95°F) • Storage operating humidity : 5%~95% non-condensing 	
Gross Weight	(w/ PSU & Rail)	kgs : 47
		lbs : 104
Packaging Dimensions	(W x D x H)	mm : 657 x 940 x 468
		inches : 25.8 x 37 x 18.4
Mounting	Standard	28" slide rail

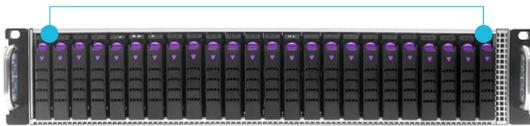
Ordering Information

SKU Number	Description
XP1-A401VG01	4U 24-bay storage server, 24x SATA/SAS hot-swap 3.5/2.5" universal bay, 2x canister, 4x 9mm 2.5" internal bay, 12G expander board with 2x SFF-8643, 2x SFF-8644, 1300W 1+1 redundant power supply, 4x 6056 fan, 2U heatsink, Virgo motherboard, 2x 10G SFP+, LSI3008 SAS IOC, 28" slide rail, w/o bezel
XP1-A401VG02	4U 24-bay storage server, 24x SATA/SAS hot-swap 3.5/2.5" universal bay, 2x canister, 4x 9mm 2.5" internal bay, 12G expander board with 2x SFF-8643, 2x SFF-8644, 1300W 1+1 redundant power supply, 4x 6056 fan, 1U heatsink, BBU bracket, Virgo motherboard with 2x 10G SFP+, LSI3008 SAS IOC, 28" slide rail, w/o bezel
XP1-A401VG05	4U 24-bay storage server, 24x SATA/SAS hot-swap 3.5/2.5" universal bay, 2x canister, 4x 9mm 2.5" internal bay, 12G expander board with 2x SFF-8643, 2x SFF-8644, 1300W 1+1 redundant power supply, 4x 6056 fan, 1U heatsink, BBU bracket, BBU, Virgo motherboard with 2x 10G SFP+, LSI3008 SAS IOC, 28" slide rail, w/o bezel



Front View

24 x 2.5" hot swap drive bays



Features

- 2U 4-Node hybrid storage server supports 24 hot swap 2.5" drive bays for NVMe SSDs(U.2)/SATA/SAS
- Supports AMD EPYC™ 7003/7002/7001 processor
- Maximizing the use of the numbers of memory, add-on cards and drives in one single system
- Onboard Baseboard Management Controller for system management and IPMI control
- 3 x PCIe x16 extensions on each node
- Front-to-back airflow and easy swap redundant fans to provide optimal thermal conditions

Rear View

4 compute nodes, 2 x PCIe x16 low profile cards



Supports 1 x PCIe x16 OCP V2.0 Mezzanine (per node)

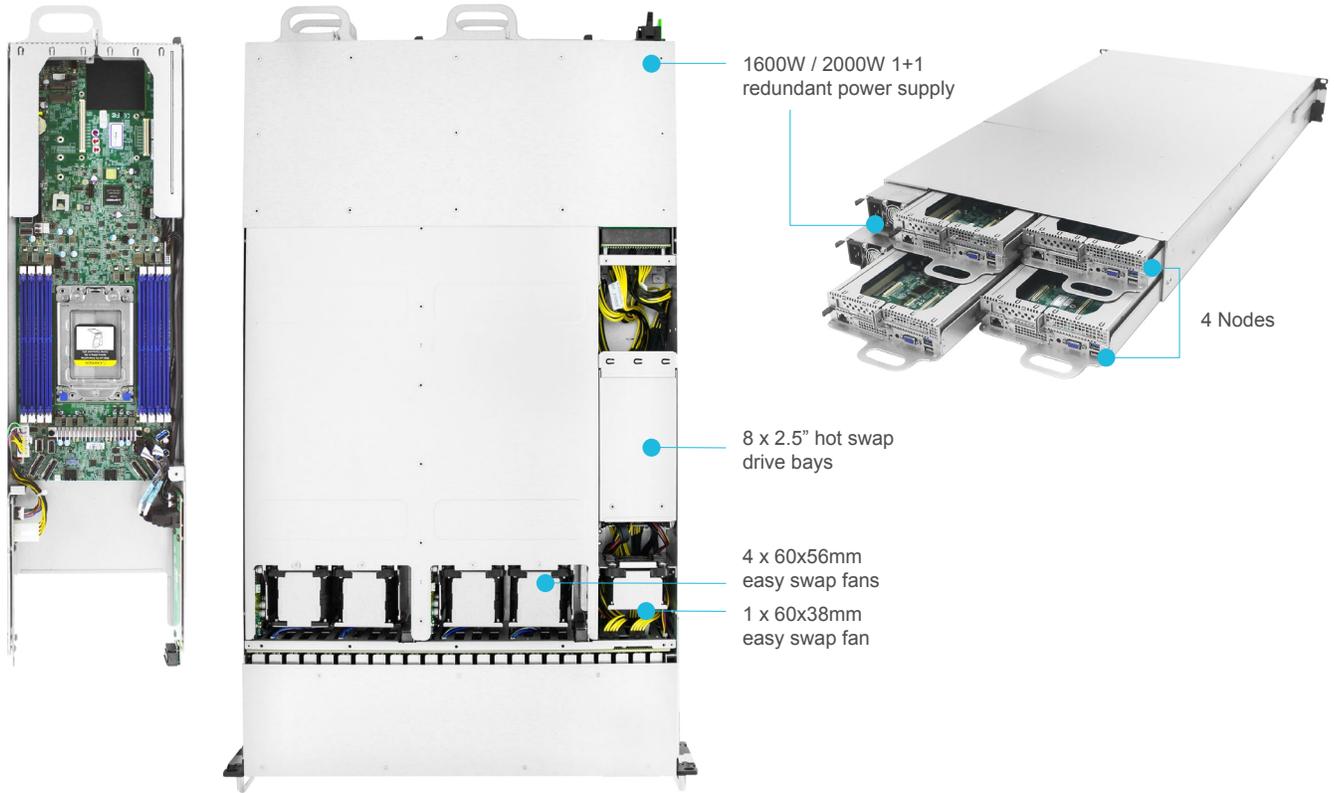
Specifications

Dimensions (W x D x H)	mm : 438 x 780 x 87.5		
	inches : 17.2 x 30.7 x 3.5		
Motherboard (per node)	AIC Server Board Auriga		
Processor (per node)	Processor Support	<ul style="list-style-type: none"> • Single AMD EPYC™ 7003/7002/7001 processor • Supports CPU TDP up to 280W (support by EPYC™ 7003 CPU) <i>*Please contact AIC Technical Support for more info/details about optimized CPUs and specialized system.</i>	
	Socket Type	SP3	
Chipset Support (per node)	AMD EPYC™ SOC		
System Memory (per node)	<ul style="list-style-type: none"> • DDR4 3200/2933MHz RDIMM/LRDIMM • Total 8 memory slots ; 8 channels • Supports up to 2TB (support by EPYC™ 7003/7002 CPU) • Supports NVDIMM feature 		
Front Panel	Node power on/off		
LEDs	<ul style="list-style-type: none"> • Node power status • Node ID • BMC alert 		
Drive Bays	External	2.5" hot swap	24 (6 x PCIe Gen.3 NVMe/SAS/SATA per node)
	Internal	M.2	8 (2 x SATA per node) (Option) 2 x M.2(NGFF) / M-Key / 2280 / Supports PCIe Gen.3 x 2 or SATA
Backplane	1 x 24-port NVMe/SAS/SATA backplane with high-density connectors to bridge riser board		
Expansion Slots (per node)	PCIe 3.0/4.0	<ul style="list-style-type: none"> • 2 x16 slots (LP) • 1 x16 OCP Mezzanine V2.0 <i>*Please contact AIC Technical Support for more info/details about OCP card.</i>	

Riser Card (included) (per node)	RC-PE1U02-Z2	1 x16 PCIe slot
	RC-PE1U18-TY	1 x16 PCIe slot
System BIOS	BIOS Type	AMI/Insyde UEFI BIOS <i>*Please contact with AIC Technical Support for the details.</i>
	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • IPMI KCS interface • SMBIOS • SRIOV • iSCSI • TPM • PCIe Hotplug
On-board Devices	SATA/NVMe	<ul style="list-style-type: none"> • 2 x SATA 6.0 Gb/s • 2 x SATA 6.0 Gb/s by M.2 (M-key) supports up to 22110 (can be configured as 2 x PCIe x1 M.2)
	BMC	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • HTML5 • Redfish • SMASH Support
	Graphics	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp



Top View



(Power supply and Server board are included.)

HP201-AG

Rear I/O (per node)	LAN	1 x RJ45 dedicated to BMC management
	USB	2 x USB 3.0
	VGA	1 x external DB-15 VGA port
	Others	<ul style="list-style-type: none"> • Power on/off • System ID • BMC alert LED
TPM Support	2.0 onboard	
Power Supply	1600W 1+1 redundant power supply 80+ Platinum • AC INPUT : 200~240V,50/60Hz,12A (except China/Taiwan) • AC INPUT : 200~240V,50/60Hz,10A (for China/Taiwan) 2000W 1+1 redundant power supply 80+ Platinum (BTO) • AC INPUT : 200~240V,50/60Hz,15A • Socket type: C20 (Power cord type: C19)	
System Cooling	<ul style="list-style-type: none"> • 4 x 60x56mm easy swap fans • 1 x 60x38mm easy swap fan 	

System Management	<ul style="list-style-type: none"> • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support 	
Environmental Specifications	<ul style="list-style-type: none"> • Storage temperature : -10°C(14°F) ~ 60°C(140°F) • Operating temperature : 0°C(32°F) ~ 35°C(95°F) • Storage operating humidity : 5%~95% non-condensing 	
Gross Weight	(w/ PSU & Rail)	kgs : 36
		lbs : 79.4
Packaging Dimensions	(W x D x H)	mm : 605 x 1100 x 320
		inches : 23.6 x 42.9 x 12.5
Mounting	Standard	28" tool-less slide rail

Ordering Information

SKU Number	Description
XP1-P201AG01	24x 2.5" tray, 24x 2.5" HDD backplane, internal 8x 2.5" OS kit/ cables, 4x system fan 6056, 1x system fan 6038, 2000W 1+1 redundant 80+ Platinum, 4x Auriga, 8x PCIe card riser, 4x BP connection riser (SATA/NVMe), 4x power connection riser, 4x Socket SP3 EPYC heatsink, 4x Slimline cables (SATA), 16x Slimline cables (NVMe), slide rail, w/o bezel, with OS kit
XP1-P201AG02	24x 2.5" tray, 24x 2.5" HDD backplane, 4x system fan 6056, 1x system fan 6038, 2000W 1+1 redundant 80+ Platinum, 4x Auriga, 8x PCIe card riser, 4x BP connection riser (SATA/NVMe), 4x power connection riser, 4x socket SP3 EPYC heatsink, 4x Slimline cables (SATA), 16x Slimline cables (NVMe), slide rail, w/o bezel, w/o OS kit
XP1-P201AG03	24x 2.5" tray, 24x 2.5" HDD backplane, internal 8x 2.5" OS kit/ cables, 4x system fan 6056, 1x System Fan 6038, 1600W 1+1 redundant 80+ Platinum, 4x Auriga, 8x PCIe card riser, 4x BP connection riser (SATA/NVMe), 4x power connection riser, 4x Socket SP3 EPYC heatsink, 4x Slimline cables (SATA), 16x Slimline cables (NVMe), slide rail, w/o bezel, with OS kit
XP1-P201AG04	24x 2.5" tray, 24x 2.5" HDD backplane, 4x system fan 6056, 1x system fan 6038, 1600W 1+1 redundant 80+ Platinum, 4x Auriga, 8x PCIe card riser, 4x BP connection riser (SATA/NVMe), 4x power connection riser, 4x socket SP3 EPYC heatsink, 4x Slimline cables (SATA), 16x Slimline cables (NVMe), slide rail, w/o bezel, w/o OS kit



Front View

12 x 3.5" hot swap drive bays



Features

- 2U 4-Node hybrid storage server supports 12 hot swap 3.5" SATA/SAS drive bays
- Supports AMD EPYC™ 7003/7002/7001 processor
- Maximizing the use of the numbers of memory, add-on cards and drives in one single system
- Onboard Baseboard Management Controller for system management and IPMI control
- 3 x PCIe x16 extensions on each node
- Front-to-back airflow and easy swap redundant fans to provide optimal thermal conditions

Rear View

4 compute nodes, 2 x PCIe x16 low profile cards



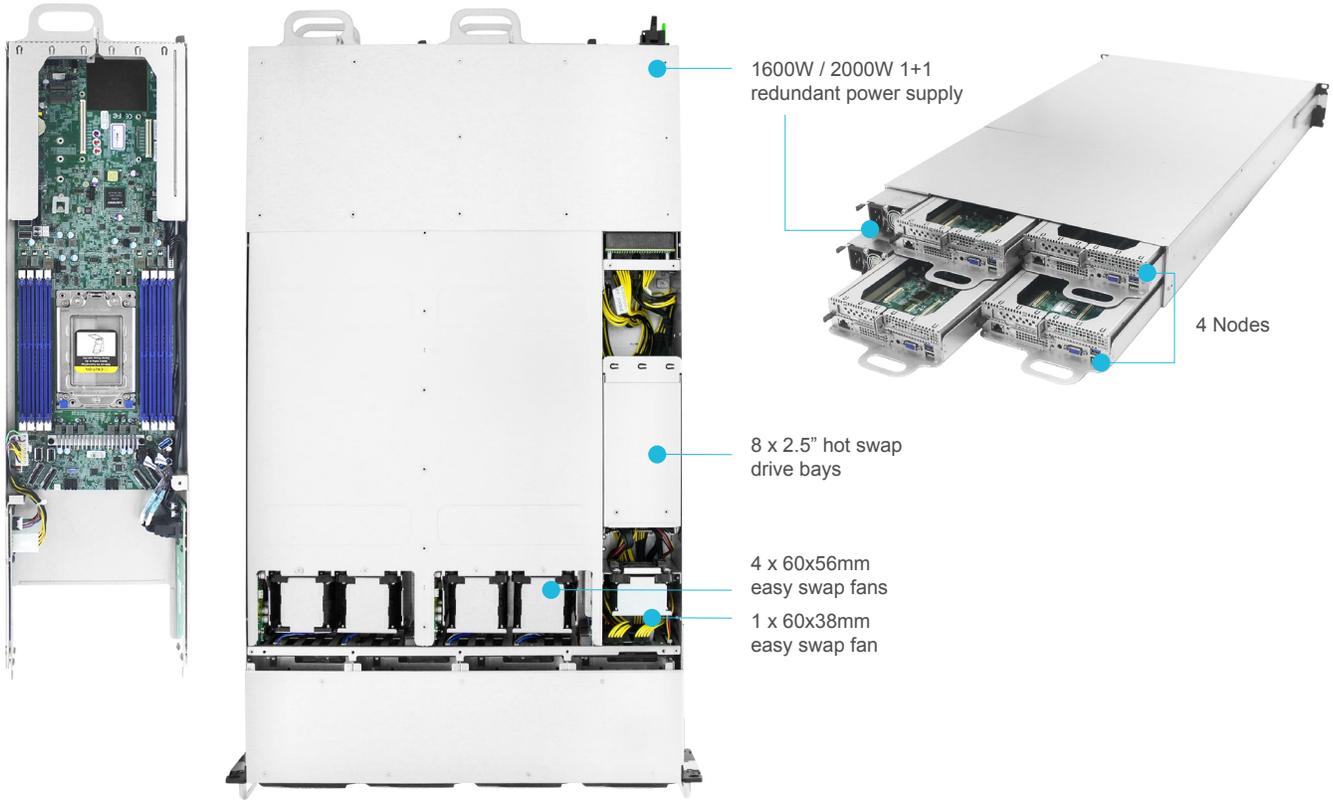
Supports 1 x PCIe x16 OCP V2.0 Mezzanine (per node)

Specifications

Dimensions (W x D x H)	mm : 438 x 800 x 87.5		
	inches : 17.2 x 31.5 x 3.5		
Motherboard (per node)	AIC Server Board Auriga		
Processor (per node)	Processor Support	<ul style="list-style-type: none"> • Single AMD EPYC™ 7003/7002/7001 processor • Supports CPU TDP up to 280W (support by EPYC™ 7003 CPU) <i>*Please contact AIC Technical Support for more info/details about optimized CPUs and specialized system.</i>	
	Socket Type	SP3	
Chipset Support (per node)	AMD EPYC™ SOC		
System Memory (per node)	<ul style="list-style-type: none"> • DDR4 3200/2933MHz RDIMM/LRDIMM • Total 8 memory slots ; 8 channels • Supports up to 2TB (support by EPYC™ 7003/7002 CPU) • Supports NVDIMM feature 		
Front Panel	Node power on/off		
LEDs	<ul style="list-style-type: none"> • Node power status • Node ID • BMC alert 		
Drive Bays	External	3.5" hot swap	12 (3 x SAS/SATA per node)
	Internal	2.5" hot swap	8 (2 x SATA per node) (Option)
		M.2	2 x M.2(NGFF) / M-Key / 2280 / Supports SATA or PCIe x2
Backplane	1 x 12-port SAS/SATA backplane with high-density connectors to bridge riser board		
Expansion Slots (per node)	PCIe 3.0/4.0	<ul style="list-style-type: none"> • 2 x16 slots (LP) • 1 x16 OCP Mezzanine V2.0 <i>*Please contact AIC Technical Support for more info/details about OCP card.</i>	

Riser Card (included) (per node)	RC-PE1U02-Z2	1 x16 PCIe slot
	RC-PE1U18-TY	1 x16 PCIe slot
System BIOS	BIOS Type	AMI/Insyde UEFI BIOS <i>*Please contact with AIC Technical Support for the details.</i>
	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • IPMI KCS interface • SMBIOS • Serial console redirection • SRIOV • iSCSI • TPM • PCIe Hotplug
On-board Devices	SATA/NVMe	<ul style="list-style-type: none"> • 2 x SATA 6.0 Gb/s • 2 x SATA 6.0 Gb/s by M.2 (M-key) supports up to 22110 (can be configured as 2 x PCIe x1 M.2)
	BMC	<ul style="list-style-type: none"> • Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • HTML5 • Redfish • SMASH Support
	Graphics	<ul style="list-style-type: none"> • Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp

Top View



(Power supply and Server board are included.)

HP202-AG

Rear I/O (per node)	LAN	1 x RJ45 dedicated to BMC management
	USB	2 x USB 3.0
	VGA	1 x external DB-15 VGA port
	Others	<ul style="list-style-type: none"> • Power on/off • System ID • BMC alert LED
TPM Support	2.0 onboard	
Power Supply	1600W 1+1 redundant power supply 80+ Platinum • AC INPUT : 200~240V,50/60Hz,12A (except China/Taiwan) • AC INPUT : 200~240V,50/60Hz,10A (for China/Taiwan) 2000W 1+1 redundant power supply 80+ Platinum (BTO) • AC INPUT : 200~240V,50/60Hz,15A • Socket type: C20 (Power cord type: C19)	
System Cooling	<ul style="list-style-type: none"> • 4 x 60x56mm easy swap fans • 1 x 60x38mm easy swap fan 	

System Management	<ul style="list-style-type: none"> • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support 	
Environmental Specifications	<ul style="list-style-type: none"> • Storage temperature : -10°C(14°F) ~ 60°C(140°F) • Operating temperature : 0°C(32°F) ~ 35°C(95°F) • Storage operating humidity : 5%~95% non-condensing 	
Gross Weight	(w/ PSU & Rail)	kgs : 36 lbs : 79.4
Packaging Dimensions	(W x D x H)	mm : 605 x 1160 x 320 inches : 23.6 x 45.2 x 12.5
Mounting	Standard	28" tool-less slide rail

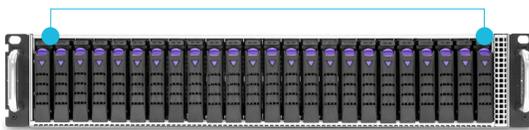
Ordering Information

SKU Number	Description
XP1-P202AG02	12x 3.5" tray, 12x 3.5" HDD backplane, 4x system fan 6056, 1x system fan 6038, 2000W 1+1 redundant 80+ Platinum, 4x Auriga, 8x PCIe card riser, 4x BP connection riser (SATA/NVMe), 4x socket SP3 EPYC heatsink, 4x Slimline cables (SATA), slide rail, w/o bezel, w/o OS kit
XP1-P202AG04	12x 3.5" tray, 12x 3.5" HDD backplane, 4x system fan 6056, 1x system fan 6038, 1600W 1+1 redundant 80+ Platinum, 4x Auriga, 8x PCIe card riser, 4x BP connection riser (SATA), 4x power connection riser, 4x socket SP3 EPYC heatsink, 4x Slimline cables (SATA), slide rail, w/o bezel, w/o OS kit



Front View

24 x 2.5" hot swap drive bays



Features

- 2U 4-Node hybrid storage server supports 24 hot swap 2.5" drive bays for NVMe SSDs(U.2)
- Supports 2nd Gen. Intel® Xeon® Scalable processors (Cascade Lake Refresh/Cascade Lake/Skylake)
- Maximizing the use of the numbers of memory, add-on cards and drives in one single system
- Onboard Baseboard Management Controller for system management and IPMI control
- 3 x PCIe x16 extensions on each node
- Front-to-back airflow and easy swap redundant fans to provide optimal thermal conditions

Rear View

4 compute nodes, 2 x PCIe x16 low profile cards

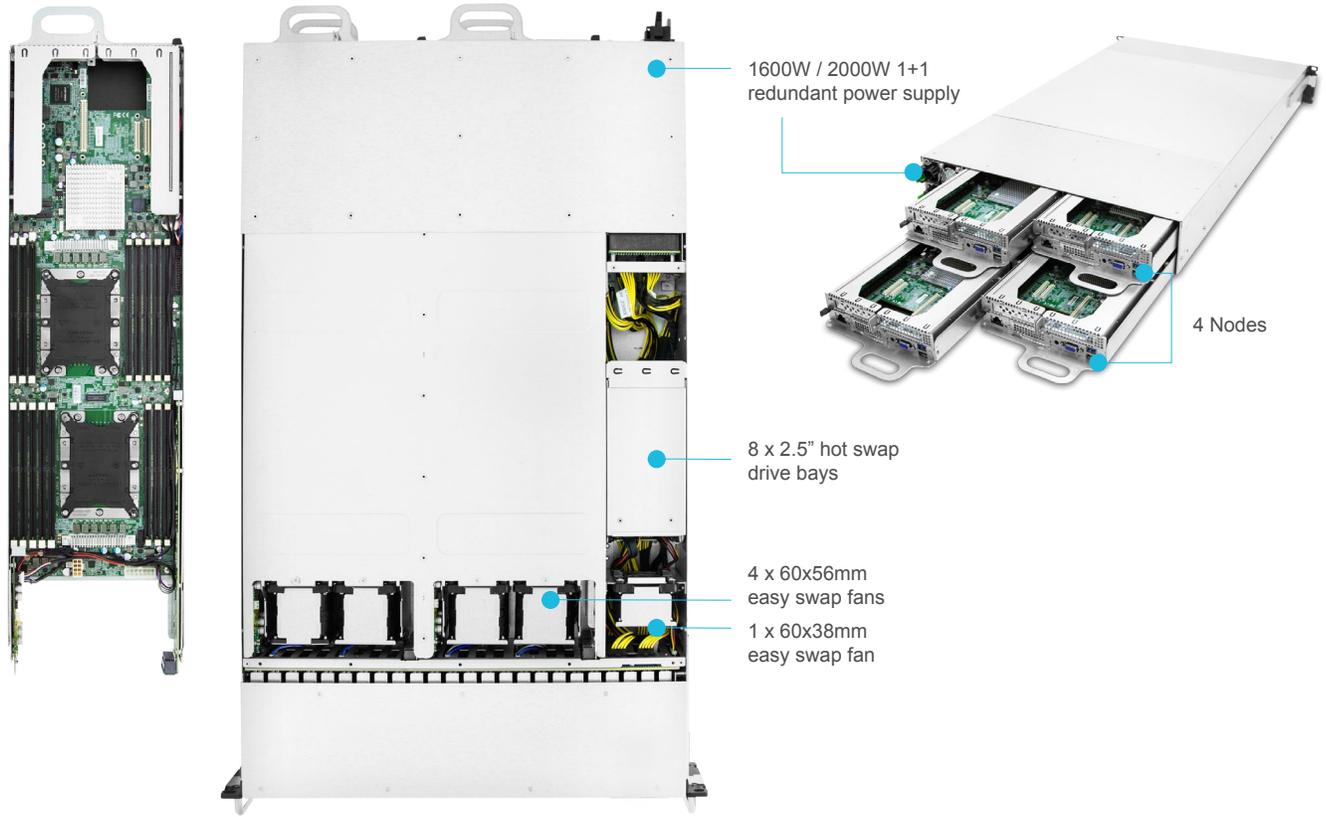


Specifications

Dimensions (W x D x H)	mm : 438 x 780 x 87.5		
	inches : 17.2 x 30.7 x 3.5		
Motherboard (per node)	AIC Server Board Vela		
Processor (per node)	Processor Support	<ul style="list-style-type: none"> • Intel® Xeon® Scalable Processors (Cascade Lake Refresh/Cascade Lake/Skylake) • Supports CPU TDP up to 165W <i>*Please contact AIC Technical Support for more info/details about optimized CPUs and specialized system.</i>	
	Socket Type	Socket P0 (LGA-3647 Socket)	
Chipset Support (per node)	Intel® Lewisburg C620 series PCH		
System Memory (per node)	<ul style="list-style-type: none"> • 6 x memory channels per CPU, 2 channels with 2DPC + 4 channels with 1DPC • 16 x DIMM slots support: DDR4 2933/2666/2400MHz RDIMM/LRDIMM • Intel® Optane™ DC Persistent Memory (Apache Pass) support 		
Front Panel	Node power on/off		
LEDs	Node power status, System ID and BMC alert		
Drive Bays	External	2.5" hot swap	24 (6 x PCIe Gen.3 NVMe/SAS/SATA per node)
	Internal	M.2	8 (2 x SATA per node) (Option) 2 x M.2(NGFF) / M-Key / 2280 / Supports PCIe Gen.3 x 2 or SATA
Backplane	1 x 24-port NVMe/SAS/SATA backplane with high-density connectors to bridge riser board		
Expansion Slots (per node)	PCIe 3.0	<ul style="list-style-type: none"> • 2 x16 slots (LP) • 1 x16 OCP Mezzanine V2.0 <i>*Please contact AIC Technical Support for more info/details about OCP card.</i>	

Riser Card (included) (per node)	RC-PE1U02-Z2	1 x16 PCIe slot
	RC-PE1U18-TY	1 x16 PCIe slot
System BIOS	BIOS Type	Insyde UEFI BIOS
	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • WOL • AC loss recovery • IPMI KCS interface • SMBIOS • SRIOV • Serial console redirection • BIOS Booth Specification • BIOS Recovery Mode • iSCSI • TPM
On-board Devices	SATA/NVMe	<ul style="list-style-type: none"> • Intel® Lewisburg PCH on-chip solution • 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin) • 8 x SATA 6.0 Gb/s by edge slot for extension • RAID 0, 1, 5, 10 support by Intel RSTe
	BMC	<ul style="list-style-type: none"> • Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support • HTML5 • Redfish
	Network Controllers	<ul style="list-style-type: none"> • Via OCP Mezzanine card/PCIe slots extension • Realtek RTL8211E GbE Ethernet for BMC dedicated management port
	Graphics	<ul style="list-style-type: none"> • Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp

Top View



(Power supply and Server board are included.)

HP201-VL

Rear I/O (per node)	LAN	1 x RJ45 dedicated to BMC management
	USB	2 x USB 3.0
	VGA	1 x external DB-15 VGA port
	Serial Port	1 x external COM port by 3.5mm phone jack
TPM Support	2.0 onboard	
Power Supply	1600W 1+1 redundant power supply 80+ Platinum • AC INPUT : 200~240V,50/60Hz,12A (except China/Taiwan) • AC INPUT : 200~240V,50/60Hz,10A (for China/Taiwan) 2000W 1+1 redundant power supply 80+ Platinum (BTO) • AC INPUT : 200~240V,50/60Hz,15A • Socket type: C20 (Power cord type: C19)	
System Cooling	• 4 x 60x56mm easy swap fans • 1 x 60x38mm easy swap fan	

System Management	<ul style="list-style-type: none"> • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support 	
Environmental Specifications	<ul style="list-style-type: none"> • Storage temperature : -10°C(14°F) ~ 60°C(140°F) • Operating temperature : 0°C(32°F) ~ 35°C(95°F) • Storage operating humidity : 5%~95% non-condensing 	
Gross Weight	(w/ PSU & Rail)	kgs : 36 lbs : 79.4
Packaging Dimensions	(W x D x H)	mm : 605 x 1160 x 320 inches : 23.6 x 45.2 x 12.5
Mounting	Standard	28" tool-less slide rail

Ordering Information

SKU Number	Description
XP1-P201VL01	2U, 24x 2.5" U.2 hot-swap NVMe (6 per node), 8x 2.5" hot-swap SATA 7mm (2 per node, top-load), 4x Vela motherboard (dual socket, 16x DDR4 DIMM slots, w/o IOC, dedicated 1GbE BMC, AST2500, 2x PCIe x16, 1x OCP 2.0 x16 mezzanine, 1x PCIe x8), 2000W 1+1 redundant 80+ Platinum, 8x CPU heatsink, 28" slide rail, w/o bezel, w/o PSU cord, with OS kit
XP1-P201VL02	2U, 24x 2.5" U.2 hot-swap NVMe (6 per node), 4x Vela motherboard (dual socket, 16x DDR4 DIMM slots, w/o IOC, dedicated 1GbE BMC, AST2500, 2x PCIe x16, 1x OCP 2.0 x16 mezzanine, 1x PCIe x8), 2000W 1+1 redundant 80+ Platinum, 8x CPU heatsink, 28" slide rail, w/o bezel, w/o PSU cord, w/o OS kit
XP1-P201VL03	2U, 24x 2.5" U.2 hot-swap NVMe (6 per node), 8x 2.5" hot-swap SATA 7m (2 per node, top-load), 4x Vela (dual socket, 16x DDR4 DIMM slots, w/o IOC, dedicated 1GbE BMC, AST2500, 2x PCIe x16, 1x OCP 2.0 x16 mezzanine, 1x PCIe x8), 1600W 1+1 redundant 80+ Platinum, 8x CPU heatsink, 28" slide rail, w/o bezel, w/o PSU cord, with OS kit
XP1-P201VL04	2U, 24x 2.5" U.2 hot-swap NVMe (6 per node), 4x Vela (dual socket, 16x DDR4 DIMM slots, w/o IOC, dedicated 1GbE BMC, AST2500, 2x PCIe x16, 1x OCP 2.0 x16 mezzanine, 1x PCIe x8), 1600W 1+1 redundant 80+ Platinum, 8x CPU heatsink, 28" slide rail, w/o bezel, w/o PSU cord, w/o OS kit



Front View

12 x 3.5" hot swap drive bays



Features

- 2U 4-Node hybrid storage server supports 12 hot swap 3.5" SATA/SAS drive bays
- Supports 2nd Gen. Intel® Xeon® Scalable processors (Cascade Lake Refresh/Cascade Lake/Skylake)
- Maximizing the use of the numbers of memory, add-on cards and drives in one single system
- Onboard Baseboard Management Controller for system management and IPMI control
- 3 x PCIe x16 extensions on each node
- Front-to-back airflow and easy swap redundant fans to provide optimal thermal conditions

Rear View

4 compute nodes, 2 x PCIe x16 low profile cards

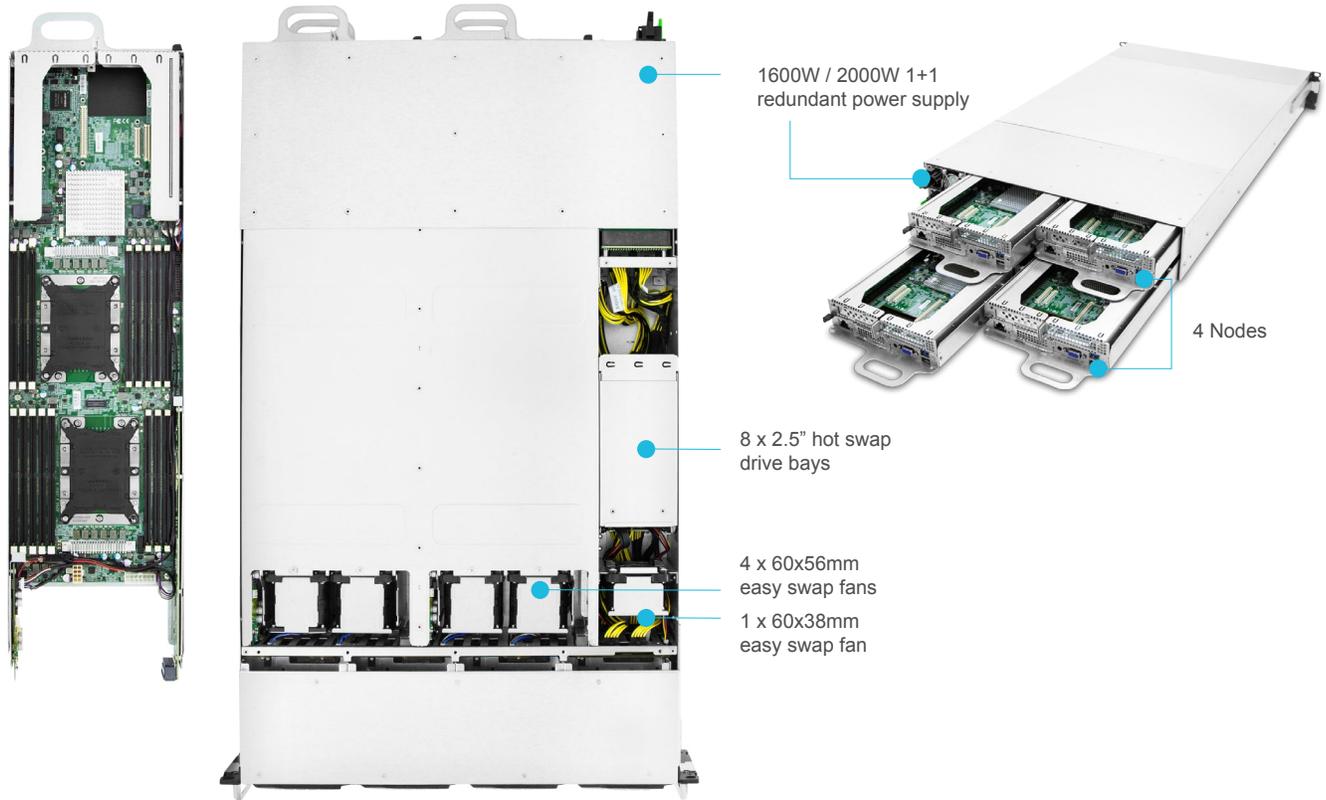


Specifications

Dimensions (W x D x H)	mm : 438 x 800 x 87.5		
	inches : 17.2 x 31.5 x 3.5		
Motherboard (per node)	AIC Server Board Vela		
Processor (per node)	Processor Support	<ul style="list-style-type: none"> • Intel® Xeon® Scalable Processors (Cascade Lake Refresh/Cascade Lake/Skylake) • Supports CPU TDP up to 165W <i>*Please contact AIC Technical Support for more info/details about optimized CPUs and specialized system.</i>	
	Socket Type	Socket P0 (LGA-3647 Socket)	
Chipset Support (per node)	Intel® Lewisburg C620 series PCH		
System Memory (per node)	<ul style="list-style-type: none"> • 6 x memory channels per CPU, 2 channels with 2DPC + 4 channels with 1DPC • 16 x DIMM slots support: DDR4 2933/2666/2400MHz RDIMM/LRDIMM • Intel® Optane™ DC Persistent Memory (Apache Pass) support 		
Front Panel	Node power on/off		
LEDs	Node power status, System ID and BMC alert		
Drive Bays	External	3.5" hot swap	12 (3 x SAS/SATA per node)
	Internal	2.5" hot swap	8 (2 x SATA per node) (Option)
		M.2	2 x M.2(NGFF) / M-Key / 2280 / Supports SATA or PCIe x2
Backplane	1 x 12-port SAS/SATA backplane with high-density connectors to bridge riser board		
Expansion Slots (per node)	PCIe 3.0	<ul style="list-style-type: none"> • 2 x16 slots (LP) • 1 x16 OCP Mezzanine V2.0 <i>*Please contact AIC Technical Support for more info/details about OCP card.</i>	

Riser Card (included) (per node)	RC-PE1U02-Z2	1 x16 PCIe slot
	RC-PE1U18-TY	1 x16 PCIe slot
System BIOS	BIOS Type	Insyde UEFI BIOS
	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • WOL • AC loss recovery • IPMI KCS interface • SMBIOS • SRIOV • Serial console redirection • BIOS Booth Specification • BIOS Recovery Mode • iSCSI • TPM
On-board Devices	SATA/NVMe	<ul style="list-style-type: none"> • Intel® Lewisburg PCH on-chip solution • 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin) • 8 x SATA 6.0 Gb/s by edge slot for extension • RAID 0, 1, 5, 10 support by Intel RSTe
	BMC	<ul style="list-style-type: none"> • Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support • HTML5 • Redfish
	Network Controllers	<ul style="list-style-type: none"> • Via OCP Mezzanine card/PCIe slots extension • Realtek RTL8211E GbE Ethernet for BMC dedicated management port
	Graphics	<ul style="list-style-type: none"> • Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp

Top View



(Power supply and Server board are included.)

HP202-VL

Rear I/O (per node)	LAN	1 x RJ45 dedicated to BMC management
	USB	2 x USB 3.0
	VGA	1 x external DB-15 VGA port
	Serial Port	1 x external COM port by 3.5mm phone jack
TPM Support	2.0 onboard	
Power Supply	1600W 1+1 redundant power supply 80+ Platinum • AC INPUT : 200~240V,50/60Hz,12A (except China/Taiwan) • AC INPUT : 200~240V,50/60Hz,10A (for China/Taiwan) 2000W 1+1 redundant power supply 80+ Platinum (BTO) • AC INPUT : 200~240V,50/60Hz,15A • Socket type: C20 (Power cord type: C19)	
System Cooling	• 4 x 60x56mm easy swap fans • 1 x 60x38mm easy swap fan	

System Management	<ul style="list-style-type: none"> • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support 	
Environmental Specifications	<ul style="list-style-type: none"> • Storage temperature : -10°C(14°F) ~ 60°C(140°F) • Operating temperature : 0°C(32°F) ~ 35°C(95°F) • Storage operating humidity : 5%~95% non-condensing 	
Gross Weight	(w/ PSU & Rail)	kgs : 36 lbs : 79.4
Packaging Dimensions	(W x D x H)	mm : 605 x 1160 x 320 inches : 23.6 x 45.2 x 12.5
Mounting	Standard	28" tool-less slide rail

Ordering Information

SKU Number	Description
XP1-P202VL02	2U, 12x 3.5" SAS/SATA (3 per node), 4x Vela (dual socket, 16x DDR4 DIMM slots, w/o IOC, dedicated 1GbE BMC, AST2500, 2x PCIe x16, 1x OCP 2.0 x16 mezzanine, 1x PCIe x8), 2000W 1+1 redundant 80+ Platinum, 8x CPU heatsink, 28" slide rail, w/o bezel, w/o PSU cord, w/o OS kit
XP1-P202VL04	2U, 12x 3.5" SAS/SATA (3 per node), 4x Vela (dual socket, 16x DDR4 DIMM slots, w/o IOC, dedicated 1GbE BMC, AST2500, 2x PCIe x16, 1x OCP 2.0 x16 mezzanine, 1x PCIe x8), 1600W 1+1 redundant 80+ Platinum, 8x CPU heatsink, 28" slide rail, w/o bezel, w/o PSU cord, w/o OS kit



Front View



2 x 3.5" hot swap drive bays

Features

- 1U single GPU/FPGA server supports 2x 2.5" hot swappable SATA/NVMe drive bays
- Supports two 2nd Gen Intel® Xeon® Scalable processor product family
- Three PCIe Gen3 X16 expansion slots for add-in cards
- With Intel® C621 Series Chipset to provide 5+ years product life cycle
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and easy swap fans to provide optimal thermal conditions
- Compact system size to fit short 800mm depth cabinet

Rear View



RJ45 for BMC management

Specifications

Dimensions (W x D x H)	mm : 438 x 650 x 44.4		
	inches : 17.2 x 26.5 x 1.75		
Motherboard	AIC Server Board Vela		
Processor	Processor Support	<ul style="list-style-type: none"> • 2nd Gen Intel® Xeon® Scalable Processor product family (Cascade Lake Refresh/Cascade Lake/Skylake) • Support CPU TDP up to 165W <i>*Please contact AIC Technical Support for more info/details about optimized CPUs and specialized system.</i>	
	QPI Speeds	10.4 GT/s, 9.6 GT/s	
	Socket Type	Socket P0 (LGA-3647 Socket)	
Chipset Support	Intel® Lewisburg C620 PCH		
System Memory	<ul style="list-style-type: none"> • 6 x memory channels per CPU • 2 channels with 2DPC + 4 channels with 1DPC • 16 x DIMM slots support: DDR4 2933/2666/2400MHz RDIMM/LRDIMM • Intel® Optane™ DC Persistent Memory (Apache Pass) support 		
Front Panel	<ul style="list-style-type: none"> • System power on/off • System ID • System reset • USB 2.0 Type A connector 		
LEDs	<ul style="list-style-type: none"> • Power • System ID • Alert - Power (Secondary) - Warning 		
Drive Bays	External	2.5" hot swap	2
	Internal	M.2	2 x M.2(NVFF)/M-Key/2280
Backplanes	1 x 2 port 6Gb SAS/SATA (Option NVMe)		

Expansion Slots	PCIe 3.0	<ul style="list-style-type: none"> • 1 x OCP 2.0 • 1 x FHFL, PCIe X16 • 1 x FHHL, PCIe X16
	BIOS Type	• Insyde UEFI BIOS
System BIOS	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • WOL • AC loss recovery • IPMI 2.0 KCS interface • SMBIOS • Serial console redirection • BIOS Boot Specification • BIOS Recovery Mode • SRIOV • iSCSI • TPM
	SATA	<ul style="list-style-type: none"> • Intel® Lewisburg PCH on-chip solution • 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin) • 8 x SATA 6.0 Gb/s by edge slot for extension • RAID 0,1,5,10 support by Intel® RSTe
On-board Devices	Network Controllers	<ul style="list-style-type: none"> • Via OCP Mezzanine card/PCIe slots extension • Realtek RTL8211E GbE Ethernet for BMC dedicated management port
	Graphics	<ul style="list-style-type: none"> • Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp

Top View



(Power supply and Server board are included.)

CB121-VL

Rear I/O	LAN	1 x RJ45 dedicated to BMC management
	USB	2 x USB 3.0
	VGA	1 x external DB-15 VGA port
	Serial Port	1 x external COM port by 3.5mm phone jack
Power Supply	AC 750W 1+1 redundant high-efficiency power supply 80+ • 90~264VAC, 47~63 Hz	
System Cooling	5 x 40x56mm easy swap fans	
System Management	<ul style="list-style-type: none"> • IPMI 2.0 • KVM over IP • Media redirection • Temperature, fan, voltage, PSU sensor monitor • System temperature 	<ul style="list-style-type: none"> • System ID/ System fail indicator • Remote power on/off/reset • SEL message alarm through mail • SNMP support • Intel NM

Environmental Specifications	<ul style="list-style-type: none"> • Storage temperature: -10°C(14°F) ~ 60°C(140°F) • Operating temperature: 0°C(32°F) ~ 35°C(95°F) • Storage operating humidity: 5%~95% non-condensing 	
Gross Weight	(w/ PSU, Rail, Pallet)	22
		48
Packaging Dimensions	(W x D x H)	mm : 615 x 980 x 274
		inches : 24.2 x 38.6 x 10.8
Mounting	Standard	30" tool-less slide rail

Ordering Information

SKU Number	Description
XP1-C121VL01	1U single GPU/FPGA server supports 2 hot-swap 2.5" SATA drive bays
XP1-C121VL02	1U single GPU/FPGA server supports 2 hot-swap 2.5" NVMe drive bays



Front View



Features

- 2U 4 GPU server
- Supports 2nd Gen. Intel® Xeon® Scalable processors (Cascade Lake/Cascade Lake Refresh/Skylake)
- Supports maximum 165W CPU with 16 memory DIMM
- Flexible choice on versatile accelerators
- Supports maximum 4 dual-slot GPU cards
- 1+1 redundant 1600W power supply 80+ Platinum
- Fully integrated remote server management

Rear View



1600W 1+1 redundant 80+ Platinum

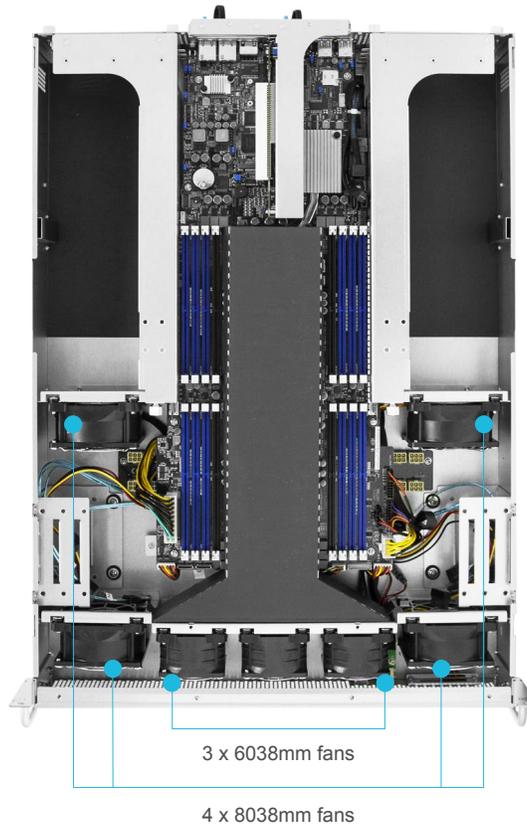
Specifications

Dimensions (W x D x H)	mm : 435 x 620 x 88
	inches : 17.1 x 24.4 x 3.5
Motherboard	Intel® Purley Server Board
Processor	<ul style="list-style-type: none"> • Intel® Xeon® Scalable Processors (Cascade Lake Refresh/Cascade Lake/Skylake) • Supports CPU TDP up to 165W <i>*Please contact AIC Technical Support for more info/details about optimized CPUs and specialized system.</i>
Chipset Support	Intel® Lewisburg C620 series PCH
System Memory	6 x memory channels per CPU 16 x DIMM slots support: DDR4 2933* (1 DIMM per channel) DDR4 2666/2400/2133 RDIMM/LRDIMM/LRDIMM 3DS (2DIMM per channel) *2933MHz will drop to 2666MHz when using 2DPC configurations - up to 512GB RDIMM - up to 2048GB RDIMM 3DS - up to 2048GB LRDIMM - up to 4096GB LRDIMM 3DS - up to 8192GB DCPMM
Front Panel	<ul style="list-style-type: none"> • System power on/off • System reset • 2 x USB 3.0 Type A
LEDs	<ul style="list-style-type: none"> • Power status • LAN activity • Drive activity
Expansion Slots	PCIe 3.0 <ul style="list-style-type: none"> • 4 x16 slots (FHFL) + 1 x16 + 1 x8 PCIe slots (HHHL) Riser card: 4 x16 PCIe slots (right) 4 x16 PCIe slots (left) 1 x16 + 1 x8 PCIe slot <i>*Please contact AIC Technical Support for more info/details about GPU card.</i>

System BIOS	BIOS Type	<ul style="list-style-type: none"> • AMI UEFI BIOS • SPI (Serial Peripheral Interface) FLASH Interface
	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • WOL • AC loss recovery • IPMI 2.0 KCS interface • Serial console redirection • SMBIOS • BIOS Boot Specification • BIOS Recovery Mode • SRIOV • iSCSI • TPM • PCIe Hotplug
On-board Devices	SATA	Intel® C621 PCH
	IPMI	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor
	Network Controllers	Intel® Ethernet Controller I350 Gigabit MAC/PHY to support 2 x RJ45 GbE
	Graphics	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp



Top View



(Power supply and Server board are included.)

CB201-Z1

Rear I/O	LAN	<ul style="list-style-type: none"> • 2 x GbE RJ45 • 1 x GbE RJ45 dedicated to BMC management
	USB	2 x USB 3.0 Type A
	VGA	1 x external BD-15 VGA port
	Other	TPM connector
Storage/HDD Bays	<ul style="list-style-type: none"> • 1 x M.2 • 6 x 2.5" SATA SSD/HDD • 4 x 2.5" U.2 NVMe + • 2 x 2.5" SATA SSD/HDD (BTO) 	

Power Supply	1600W 1+1 redundant 80+ Platinum <ul style="list-style-type: none"> • AC Input : 100-127~ / 12.9A • DC Output : 1000W Max • AC Input : 200-240V~ / 9.5A • DC Output : 1600W Max 	
System Cooling	4 x 80x38mm + 3 x 60x38mm fans with Smart Fan control	
Environmental Specifications	<ul style="list-style-type: none"> • Storage temperature : -10°C(14°F) ~ 60°C(140°F) • Operating temperature : 0°C(32°F) ~ 35°C(95°F) • Storage operating humidity : 5%~95% non-condensing 	
Mounting	Standard	26" tool-less slide rail

Ordering Information

SKU Number	Description
XP1-C201Z101	2U rackmount, 6x 2.5" SATA SSD/HDD, 1600W 1+1 redundant power supply 80+ Platinum, 4x 8038 fan, 3x 6038 fan, with 1x motherboard, Intel® Xeon® processor Skylake product family (TDP 165W), 16x DDR4 DIMM, 2x 1GbE, 1x M.2, 2x heatsink, 26" slide rail, w/o bezel
XP1-C201Z102	2U rackmount, 2x 2.5" SATA SSD/HDD, 4x 2.5" NVMe SSD, 1600W 1+1 redundant power supply 80+ Platinum, 4x 8038 fan, 3x 6038 fan, with 1x motherboard, Intel® Xeon® processor Skylake product family (TDP 165W), 16x DDR4 DIMM, 2x 1GbE, 1x M.2, 2x heatsink, 26" slide rail, w/o bezel



Front View

8 x 3.5" hot swap drive bays



Features

- 2U dual GPU server supports 8 hot swap 3.5" SATA drive bays
- Supports 2nd Gen. Intel® Xeon® Scalable processors (Cascade Lake Refresh/Cascade Lake/Skylake)
- With Intel® C620 Series Chipset to provide 5+ years product life cycle
- Flexible I/O usage with MAX I/O to support 4 x PCIe Gen3 x16 slots
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and easy swap fans to provide optimal thermal conditions

Rear View

2 x USB 3.0 + RJ45 (Dedicated NIC for BMC)

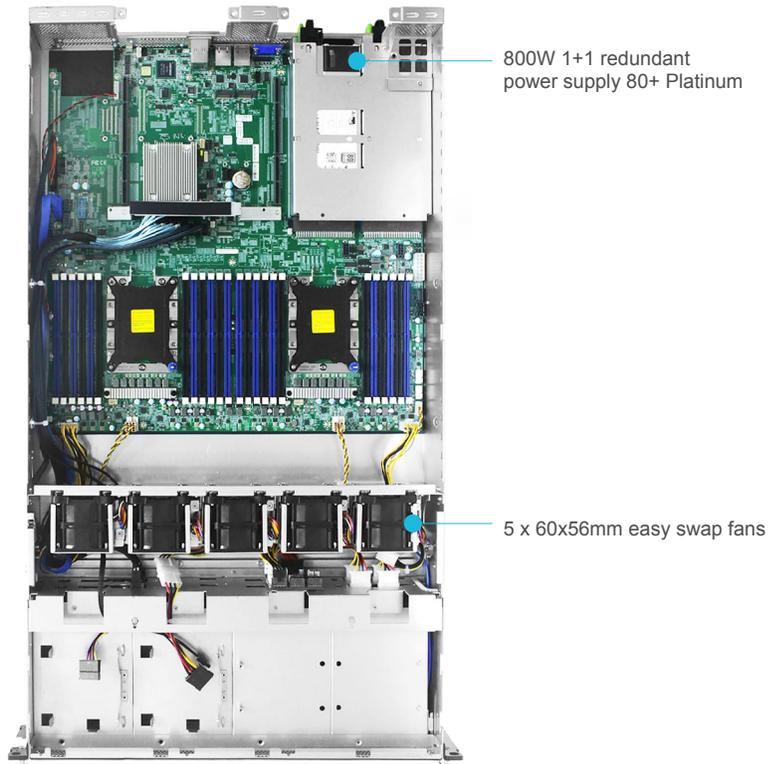


Specifications

Dimensions (W x D x H)	mm : 438 x 800 x 88		
	inches : 17.2 x 33.5 x 3.5		
Motherboard	AIC Server Board Lynx		
Processor	Processor Support	<ul style="list-style-type: none"> • Intel® Xeon® Scalable Processors (Cascade Lake Refresh/Cascade Lake/Skylake) • Supports CPU TDP up to 205W <i>*Please contact AIC Technical Support for more info/details about optimized CPUs and specialized system.</i>	
	UPI Speeds	10.4GT/s, 9.6GT/s	
	Socket Type	Socket P0 (LGA-3647 Socket)	
Chipset Support	Intel® Lewisburg C620 series PCH		
System Memory	<ul style="list-style-type: none"> • 6 x memory channels per CPU, 2 x DIMM per channel • 24 x DIMM slots support: DDR4 2933/2666/2400MHz • Intel® Optane™ DC Persistent Memory (Apache Pass) support 		
Front Panel	System power on/off, System ID, System reset, 2 x USB 3.0 Type A		
LEDs	Power status, System alert, LAN activity, Drive activity, System ID		
Drive Bays	External	3.5" hot swap	8 SAS/SATA
	Internal	2.5"	2 SATA
M.2		2 x M.2(NGFF) / M-Key / 2280 / Supports SATA or PCIe x2	
Backplane	2 x 4-port with SFF-8643 connectors support 12G		
Expansion Slots	PCIe 3.0	<ul style="list-style-type: none"> • 2 x16 dual slots (FHFL) + 2 x16 slots (HHHL) • 4 x16 single slot (FHFL) + 2 x16 slots (HHHL) (BTO) <i>*Please contact AIC Technical Support for more info/details about GPU card.</i>	

Riser Card (included)	RC-PE2U01-6F	2 x16 PCIe slots
System BIOS	BIOS Type	Insyde UEFI BIOS
	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • WOL • AC loss recovery • IPMI 2.0 KCS interface • SMBIOS • Serial console redirection • BIOS Boot Specification • BIOS Recovery Mode • SRIOV • iSCSI • TPM • PCIe Hotplug
On-board Devices	SATA	<ul style="list-style-type: none"> Intel® Lewisburg PCH on-chip solution • 10 x SATA 6.0 Gb/s • RAID 0, 1, 5, 10 support by Intel RSTe
	BMC	<ul style="list-style-type: none"> Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor Baseboard Management Controller Intelligent Platform Interface 2.0 (IPMI 2.0) iKVM, Media Redirection, IPMI over LAN, Serial over LAN SMASH Support HTML5 Redfish
	Network Controllers	<ul style="list-style-type: none"> • Two Intel® I210 Ethernet Controller support dual-port GbE RJ45 connectors • Networking options provided via OCP Mezzanine extension • Realtek RTL8201E 10/100Mbps Ethernet PHY for BMC dedicated management port
	Graphics	<ul style="list-style-type: none"> Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp

Top View



(Power supply and Server board are included.)

SB203-LX

Rear I/O	LAN	<ul style="list-style-type: none"> • 2 x GbE RJ45 • 1 x 10/100M RJ45 dedicated to BMC management
	USB	2 x USB 3.0 Type A
	VGA	1 x external DB-15 VGA port
	Serial Port	1 x micro USB
TPM Support	2.0 onboard	
Power Supply	800W 1+1 redundant power supply 80+ Platinum <ul style="list-style-type: none"> • AC INPUT : 100~240V,50/60Hz,10-5A 1200W 1+1 redundant power supply 80+ Platinum (BTO) • AC INPUT : 100~127V,50/60Hz,10A • DC OUTPUT : 800W • AC INPUT : 200~240V,50/60Hz,8A • DC OUTPUT : 1200W 	
System Cooling	5 x 60x56mm easy swap fans	

System Management	<ul style="list-style-type: none"> • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support 	
Environmental Specifications	<ul style="list-style-type: none"> • Storage temperature : -10°C(14°F) ~ 60°C(140°F) • Operating temperature : 0°C(32°F) ~ 35°C(95°F) • Storage operating humidity : 5%~95% non-condensing 	
Gross Weight	(w/ PSU & Rail)	kgs : 31
		lbs : 68.2
Packaging Dimensions	(W x D x H)	mm : 603 x 883 x 314
		inches : 23.7 x 34.8 x 12.4
Mounting	Standard	28" tool-less slide rail

Ordering Information

SKU Number	Description
XP1-S203LX01	2U 8-bay storage server, 2x 4-port with SFF-8643 connector supports 12G, 800W 1+1 redundant power supply, 5x 6056 easy-swap fan, 2x 2.5" internal OS kit, Lynx motherboard, Intel® Xeon® Scalable Processors, DDR4 2666 RDIMM x24, Intel PCH C620, MAX I/O 6x PCIe Gen3 x16 slot, 2x CPU heatsink (TDP 150W), 28" slide rail, w/o bezel
XP1-S203LX02	2U 8-bay storage server, 2x 4-port with SFF-8643 connector supports 12G, 1200W 1+1 redundant power supply, 5x 6056 easy-swap fan, 2x 2.5" internal OS kit, Lynx motherboard, Intel® Xeon® Scalable Processors, DDR4 2666 RDIMM x24, Intel PCH C620, MAX I/O 6x PCIe Gen3 x16 slot, 2x CPU heatsink (TDP 205W), 28" slide rail, w/o bezel



Front View

4 x 3.5" hot swap drive bays



Features

- 1U general purpose storage server supports 4 hot swap 3.5"/2.5" universal SATA/SAS/NVMe U.2 drive bays
- Supports 3rd Gen. Intel® Xeon® Scalable processors (codename Ice Lake)
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Dedicated BMC management port

Rear View

1 x GbE RJ45



Specifications

Dimensions (W x D x H)	mm : 438 x 800 x 43.5		
	inches : 17.2 x 31.5 x 1.7		
Motherboard	AIC Server Board		
Processor	Processor Support	<ul style="list-style-type: none"> • 3rd Gen Intel® Xeon® Scalable Processors (Ice Lake) • Supports CPU TDP up to 270W* <i>*Please contact AIC Technical Support for more info/details about optimized CPUs and specialized system.</i>	
	UPI Speeds	10.4 GT/s, 9.6 GT/s	
	Socket Type	Socket P0 (LGA-4189 Socket)	
Chipset Support	Intel® C621A series PCH		
System Memory	<ul style="list-style-type: none"> • DDR4 3200/2933/2666/2400 (1DPC/2DPC) MHz • Total 16+16 DIMM slots (2DPC) • Up to 12TB 3DS ECC RDIMM/LRDIMM • Intel® Optane™ Persistent Memory 200 Series support 		
Front Panel	<ul style="list-style-type: none"> • System power on/off • System reset • 2 x USB 3.2 Gen1 Type A • System ID 		
LEDs	<ul style="list-style-type: none"> • Power status • System alert • System ID 		
Drive Bays	External	3.5"/2.5" hot swap	4 (6G SATA/12G SAS/ PCIe x4 NVMe)
	Internal	2.5" OS	2
M.2		2 x M.2(NGFF)/M-Key/2280	
Backplane	1 x 4-port SATA/SAS/NVMe backplane with 1 x SFF-8643 + 2x SFF-8654 (Slimline 8i) connectors		
Expansion Slots	PCIe 4.0	<ul style="list-style-type: none"> • 2 PCIe4.0 x16 • 1 OCP NIC 3.0 	

Riser Card (included)	RC-PE1U02-Z2	1 x16 PCIe slot
System BIOS	BIOS Type	AMI UEFI BIOS
	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • AC loss recovery • IPMI KCS interface • SMBIOS • Serial console redirection • BIOS Boot Specification • BIOS Recovery Mode
On-board Devices	SATA	<ul style="list-style-type: none"> Intel® C621A PCH on-chip solution • 14 x SATA 6.0 Gb/s; 3 Mini-SAS HD, SATA DOM, SATA DOM or M.2 • RAID 0, 1, 5, 10 support by Intel RSTe
	IPMI	<ul style="list-style-type: none"> Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support • HTML5 • Redfish
	Network Controllers	Networking options provided via OCP Mezzanine extension
	Graphics	<ul style="list-style-type: none"> Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp

Top View

800W/1200W 1+1 redundant power supply 80+ Platinum



8 x 40x56mm easy swap fans

(Power supply and Server board are included.)

Rear I/O	LAN	1 x GbE RJ45 dedicated to BMC management
	USB	2 x USB 3.2 Type A
	VGA	1 x external DB-15 VGA port
	Serial Port	1 x RS-232 connector
Power Supply	800W/1200W 1+1 redundant power supply 80+ Platinum • AC INPUT : 100~240V,50/60Hz,7-3.5A	
System Cooling	8 x 40x56mm easy swap fans	
System Management	<ul style="list-style-type: none"> • IPMI : Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support 	

Environmental Specifications	<ul style="list-style-type: none"> • Storage temperature: -10°C(14°F) ~ 60°C(140°F) • Operating temperature: 0°C(32°F) ~ 35°C(95°F) • Storage operating humidity: 5%~95% non-condensing 	
Gross Weight	(w/ PSU & Rail)	kgs : 20 lbs : 44
Packaging Dimensions	(W x D x H)	mm : 615 x 1135 x 273 inches : 24.2 x 44.7 x 10.7
Mounting	Standard	28" tool-less slide rail

Ordering Information

SKU Number	Description
XP1-S101A601	1U 4x 3.5"/2.5" tri-mode hot-swap, 2x 2.5" 9mm SATA internal, 8x 4056 fan, Acbel 800W redundant power supply Platinum, A6 motherboard, DDR4 RDIMM x32, Intel PCH C621A, WATX, dedicated 1GbE BMC, AST2500, 2x PCIe x16 Gen4, 1x OCP 3.0 x16 Gen4, 2x CPU heatsink (195W), 28" slide rail, w/o bezel
XP1-S101A602	1U 4x 3.5"/2.5" tri-mode hot-swap, 2x 2.5" 9mm SATA internal, 8x 4056 fan, Acbel 1200W redundant power supply Platinum, A6 motherboard, DDR4 RDIMM x32, Intel PCH C621A, WATX, dedicated 1GbE BMC, AST2500, 2x PCIe x16 Gen4, 1x OCP 3.0 x16 Gen4, 2x CPU heatsink (270W), 28" slide rail, w/o bezel



Front View

12 x 3.5" hot swap drive bays



Features

- 2U general purpose storage server supports 12 hot swap 3.5"/2.5" universal SATA/SAS/NVMe U.2 drive bays
- Supports 3rd Gen. Intel® Xeon® Scalable processors (codename Ice Lake)
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Dedicated BMC management port

Rear View

1 x GbE RJ45



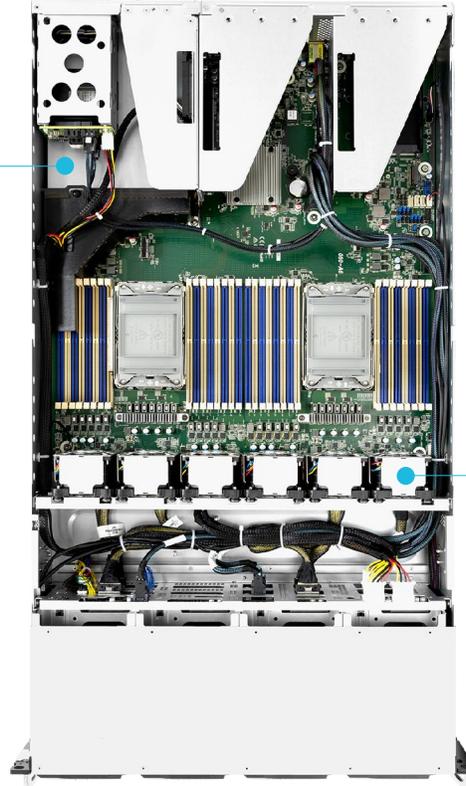
Specifications

Dimensions (W x D x H)	mm : 438 x 800 x 88		
	inches : 17.2 x 31.4 x 3.1		
Motherboard	AIC Server Board		
Processor	Processor Support	3rd Gen Intel® Xeon® Scalable Processors (Ice Lake) <i>*Please contact AIC Technical Support for more info/details about optimized CPUs and specialized system.</i>	
	CPU Interconnection	11.2GT/s	
	Socket Type	1+1 Socket P+ (LGA 4189)	
Chipset Support	Intel® C621A		
System Memory	<ul style="list-style-type: none"> • 32 x DDR4 3200Mhz • Total 16+16 DIMM slots (2DPC) • Up to 12TB 3DS ECC RDIMM/LRDIMM • Intel® Optane™ Persistent Memory 200 Series support 		
Front Panel	<ul style="list-style-type: none"> • System power on/off • System reset • System ID 		
LEDs	Power LED, ID LED, Fail LED <ul style="list-style-type: none"> • Power (Secondary) • Warning B : <ul style="list-style-type: none"> • Power (Primary) • Warning 		
Drive Bays	External	3.5" hot swap	12 (Gen4 NVMe, 3.5" or 2.5" SATA)
		2.5"	2 (rear)
	Internal	M.2	2 x M.2(NVMe)/M-Key/2280
Backplane	1 x 4-port SATA/SAS/NVMe backplane with 1 x SFF-8643 + 2x SFF-8654 (Slimline 8i) connectors		
Expansion Slots	PCIe 4.0	• 4 PCIe 4.0 x8	
		• 2 PCIe 4.0 x16	
		• 1 OCP NIC 3.0	

Riser Card (included)	RC-PE1U02-Z2	1 x16 PCIe slot
System BIOS	BIOS Type	AMI UEFI BIOS
	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • AC loss recovery • IPMI KCS interface • SMBIOS • Serial console redirection • BIOS Boot Specification • BIOS Recovery Mode
On-board Devices	SATA	Intel® Lewisburg PCH on-chip solution <ul style="list-style-type: none"> • 14 x SATA 6.0 Gb/s; 3 Mini-SAS HD, SATA DOM, SATA DOM or M.2 • RAID 0, 1, 5, 10 support by Intel RSTe
	IPMI	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor Baseboard Management Controller Intelligent Platform Interface 2.0 (IPMI 2.0) iKVM, Media Redirection, IPMI over LAN, Serial over LAN SMASH Support HTML5 Redfish
	Network Controllers	Networking options provided via OCP Mezzanine extension
	Graphics	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor PCIe VGA/2D Controller 1920x1200@60Hz 32bpp

Top View

1200W/1600W 1+1 redundant power supply 80+ Platinum



6 x 60x38mm easy swap fans

(Power supply and Server board are included.)

Rear I/O	USB	2 x Gen1 USB 3.2 Type A
	Serial Port	1 x DB9
Power Supply	1200W/1600W 1+1 redundant power supply 80+ Platinum • AC Input: 100~240V, 50/60Hz, 7-3.5A	
System Cooling	6 x 60x38mm easy swap fans	
System Management	<ul style="list-style-type: none"> • IPMI : Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support 	

Environmental Specifications	<ul style="list-style-type: none"> • Storage temperature: -10°C(14°F) ~ 60°C(140°F) • Operating temperature: 0°C(32°F) ~ 35°C(95°F) • Storage operating humidity: 5%~95% non-condensing 	
Gross Weight	(w/ PSU & Rail)	kgs : 20
		lbs : 44
Packaging Dimensions	(W x D x H)	mm : 595 x 1115 x 239
		inches : 23.4 x 43.9 x 9.4
Mounting	Standard	28" tool-less slide rail



Front View

4 x 3.5" hot swap drive bays



Features

- Supports 3rd Gen Intel® Xeon® Scalable Processors for highest server performance and improved power efficiency
- Supports 16 DDR4 DIMM slots for maximum memory performance
- Supports up to 3 x16 lanes, 2 x8 lanes, 4 slimline x8, 1 OCP 3.0 of PCIe Gen4
- Onboard Baseboard Management Controller for system management and IPMI control
- Embedded components for 5+ year long life
- Rackmount Technology Extension (RTX) form factor utilizes full internal chassis volume for optimum I/O configurations

Rear View

1 x GbE RJ45

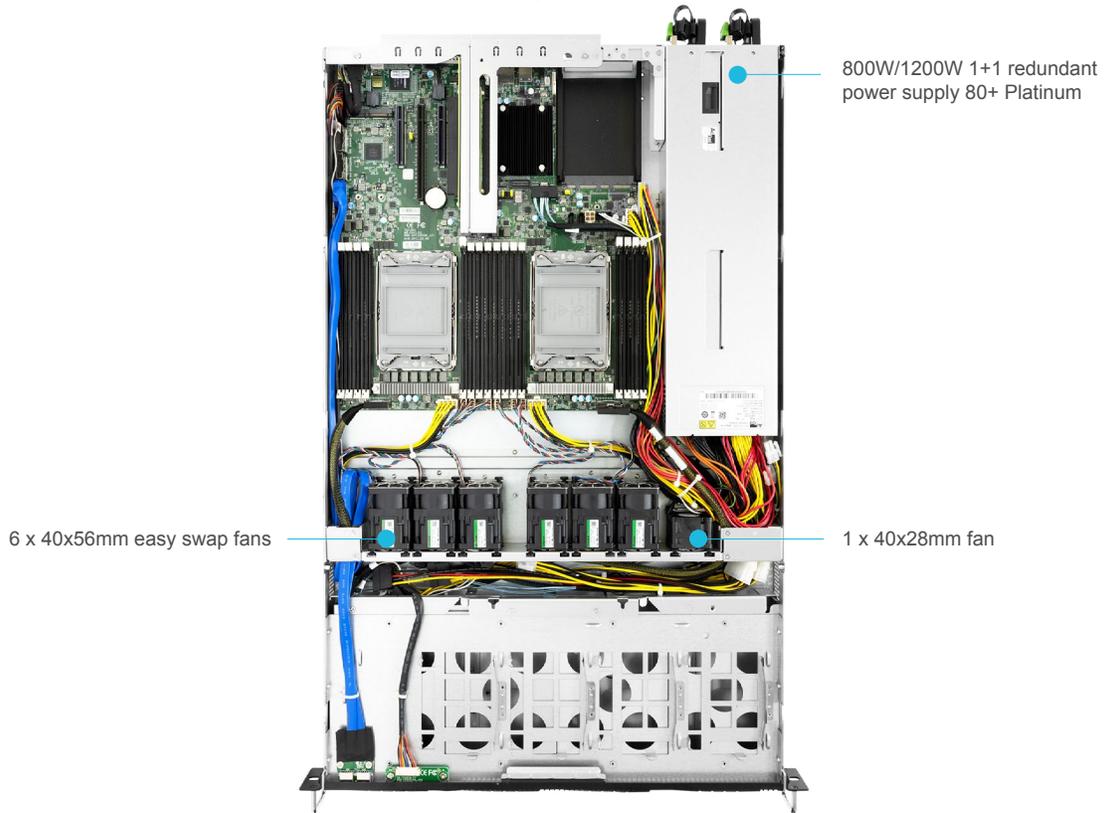


Specifications

Dimensions (W x D x H)	mm : 438 x 678.7 x 44.4		
	inches : 17.2 x 26.7 x 1.7		
Motherboard	AIC Server Board Tucana		
Processor	Processor Support	<ul style="list-style-type: none"> • 3rd Gen Intel® Xeon® Scalable Processors (Ice Lake) • Supports CPU TDP up to 270W* <i>*Please contact AIC Technical Support for more info/details about optimized CPUs and specialized system.</i>	
	CPU Interconnection	10.4 / 11.2 GT/s	
	Socket Type	Socket P+ (LGA-4189)	
Chipset Support	Intel® C621A Chipset		
System Memory	<ul style="list-style-type: none"> • 8 x memory channels per CPU (1DPC) • 16 x DIMM slots support: DDR4 3200/2933MHz RDIMM/LRDIMM - up to 512GB RDIMM SRx4 (16Gb) - up to 1024GB RDIMM DRx4 (16Gb) - up to 4096GB RDIMM 3DS 8Rx4 (16Gb) - up to 2048GB LRDIMM QRx4 (16Gb) - up to 4096GB LRDIMM 3DS 8Rx4 (16Gb) • Intel® Optane™ DC Persistent Memory (Barlow Pass) support 		
Front Panel	<ul style="list-style-type: none"> • System power on/off • System reset • 2 x USB 3.0 Type A 		
LEDs	<ul style="list-style-type: none"> • Power status • HDD activity • LAN activity • Warning 		
Drive Bays	External	3.5"/2.5" hot swap	4 (6G SATA/12G SAS/ PCIe x4 NVMe)
	Internal	2.5" OS	2
		M.2	2 x M.2(NGFF)/M-Key/2280
Backplane	1 x 4-port SATA/SAS/NVMe backplane with 1 x SFF-8643 + 2 x SFF-8654 (Slimline 8i) connectors		
Expansion Slots	PCIe 4.0	CPU0: 2 x PCIe Gen4 x16 slots + 1 x OCP V3.0	

System BIOS	BIOS Type	AMI UEFI BIOS
	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • AC loss recovery • IPMI KCS interface • SMBIOS • Serial console redirection • SRIOV • TPM • PCIe Hotplug
On-board Devices	SATA	Lewisburg PCH on-chip solution supports 10 x SATA 6.0 Gb/s • 2 x SATA 7pin • 8 x SATA by slimline (supports both SATA/PCIe by PCH HSI0)
	IPMI	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support • HTML5 • Redfish
	Network Controllers	Realtek RTL8211E GbE for BMC dedicated management port (NCSI shared NIC - reserved for OCP & I210 by jumper setting)
	Graphics	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp

Top View



(Power supply and Server board are included.)

SB101-TU

Rear I/O	LAN	1 x GbE RJ45 dedicated to BMC management
	USB	2 x USB 3.0 double-stake Type A connectors • 2 x USB pin headers support USB3.0/2.0
	VGA	1 x internal VGA pin-header
	Serial Port	• 1 x external COM port • 1 x COM2 box header • 1 x COM1 box header share with rear I/O phone jack
TPM Support	2.0 onboard	
Power Supply	800W/1200W 1+1 redundant power supply 80+ Platinum	
System Cooling	• 6 x 40x56mm easy swap fans • 1 x 40x28mm fan	

System Management	<ul style="list-style-type: none"> • IPMI : Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support 	
Environmental Specifications	<ul style="list-style-type: none"> • Storage temperature: -10°C(14°F) ~ 60°C(140°F) • Operating temperature: 0°C(32°F) ~ 35°C(95°F) • Storage operating humidity: 5%~95% non-condensing 	
Gross Weight	(w/ PSU & Rail)	kgs : 20
		lbs : 44
Packaging Dimensions	(W x D x H)	mm : 615 x 1025 x 274
		inches : 24 x 40 x 10.8
Mounting	Standard	28" tool-less slide rail



Front View

10 x 2.5" hot swap drive bays



Features

- Supports 3rd Gen Intel® Xeon® Scalable Processors for highest server performance and improved power efficiency
- Supports 16 DDR4 DIMM slots for maximum memory performance
- Supports up to 3 x16 lanes, 2 x8 lanes, 4 slimline x8, 1 OCP 3.0 of PCIe Gen4
- Onboard Baseboard Management Controller for system management and IPMI control
- Embedded components for 5+ year long life
- Rackmount Technology Extension (RTX) form factor utilizes full internal chassis volume for optimum I/O configurations

Rear View

1 x GbE RJ45



Specifications

Dimensions (W x D x H)	mm : 438 x 678.7 x 44.4		
	inches : 17.2 x 26.7 x 1.7		
Motherboard	AIC Server Board Tucana		
Processor	Processor Support	3rd Gen Intel® Xeon® Scalable Processors (Ice Lake) <i>*Please contact AIC Technical Support for more info/details about optimized CPUs and specialized system.</i>	
	UPI Speeds	10.4 / 11.2 GT/s	
	Socket Type	Socket P+ (LGA-4189)	
Chipset Support	Intel® C621A Chipset		
System Memory	<ul style="list-style-type: none"> • 8 x memory channels per CPU (1DPC) • 16 x DIMM slots support: DDR4 3200/2933MHz RDIMM/LRDIMM - up to 512GB RDIMM SRx4 (16Gb) - up to 1024GB RDIMM DRx4 (16Gb) - up to 4096GB RDIMM 3DS 8Rx4 (16Gb) - up to 2048GB LRDIMM QRx4 (16Gb) - up to 4096GB LRDIMM 3DS 8Rx4 (16Gb) • Intel® Optane™ DC Persistent Memory (Barlow Pass) support 		
Front Panel	<ul style="list-style-type: none"> • System power on/off • System reset • 2 x USB 3.0 Type A 		
LEDs	<ul style="list-style-type: none"> • Power status • HDD activity • LAN activity • Warning 		
Drive Bays	External	2.5" hot swap	10 (8G SATA/12G SAS/PCIe x4 NVMe)
	Internal	M.2	2 x M.2(NGFF)/M-Key/2280

Expansion Slots	PCIe 4.0	<ul style="list-style-type: none"> • CPU0: 2 x PCIe Gen4 x16 slots + 1 x OCP V3.0 + 1 x Slimline x8 • CPU1: 1 x PCIe Gen4 x16 slot + 2 x PCIe Gen4 x8 + 3 x Slimline x8
	BIOS Type	AMI UEFI BIOS
System BIOS	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • AC loss recovery • IPMI KCS interface • SMBIOS • Serial console redirection • SRIOV • TPM • PCIe Hotplug
		SATA
On-board Devices	Network Controllers	<ul style="list-style-type: none"> • Realtek RTL8211E GbE for BMC dedicated management port (NCSI shared NIC - reserved for OCP & I210 by jumper setting) • Intel I210 GbE for BMC shared NIC management port by onboard connector (NCSI shared NIC - reserved for OCP V3.0)
	Graphics	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp

Top View



(Power supply and Server board are included.)

SB102-TU

Rear I/O	LAN	1 x GbE RJ45 dedicated to BMC management
	USB	2 x USB 3.0 double-stake Type A connectors • 2 x USB pin headers support USB3.0/2.0
	VGA	1 x internal VGA pin-header
	Serial Port	• 1 x external COM port • 1 x COM2 box header • 1 x COM1 box header share with rear I/O phone jack
TPM Support	2.0 onboard	
Power Supply	800W/1200W 1+1 redundant power supply 80+ Platinum	
System Cooling	• 6 x 40x56mm easy swap fans • 1 x 40x28mm fan	

System Management	<ul style="list-style-type: none"> • IPMI : Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support 	
Environmental Specifications	<ul style="list-style-type: none"> • Storage temperature: -10°C(14°F) ~ 60°C(140°F) • Operating temperature: 0°C(32°F) ~ 35°C(95°F) • Storage operating humidity: 5%~95% non-condensing 	
Gross Weight	(w/ PSU & Rail)	kgs : 20
		lbs : 44
Packaging Dimensions	(W x D x H)	mm : 615 x 1025 x 274
		inches : 24 x 40 x 10.8
Mounting	Standard	28" tool-less slide rail



Front View

24 x 2.5" hot swap drive bays



Features

- 2U 24-Bay high density storage server barebone
- Supports 3rd Gen. Intel® Xeon® Scalable processors (Ice Lake)
- Intel® C621A Chipset to provide 5+ years product life cycle
- Onboard Baseboard Management Controller for system management and IPMI control
- Dedicated BMC management port
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions

Rear View

Supports up to 5 x PCIe 4.0 slots



OCP 3.0

Specifications

Dimensions (W x D x H)	mm : 430 x 646.2 x 88.2		
	inches : 17 x 25.4 x 3.5		
Motherboard	AIC Server Board Tucana		
Processor	Processor Support	<ul style="list-style-type: none"> • 3rd Gen Intel® Xeon® Scalable Processors (Ice Lake) • Supports CPU TDP up to 270W <i>*Use over 165W CPU, please contact AIC Technical Support for more info/details about optimized CPUs and specialized system.</i> 	
	QPI Speeds	11.2 GT/s	
	Socket Type	Socket P+ (LGA-4189)	
Chipset Support	Intel® C621A Chipset		
System Memory	<ul style="list-style-type: none"> • 8 x memory channels per CPU, 1 x DIMM per channel • 16 x DIMM slots support: DDR4 REG ECC 3200/2933/2666 • Intel® Optane™ Persistent Memory 200 (Barlow Pass) support 		
Front Panel	System power on/off, System ID, System reset, 1x USB 3.0 Type A		
LEDs	Power status, System alert, LAN activity, Drive activity, System ID		
Drive Bays	External	2.5" hot swap	24 x SATA/SAS3/NVMe (15mm, Front) 2 x 2.5" hot swap (7mm, rear)
		Internal	M.2 2 x M.2(NGFF)/M-Key/2280
Backplane	Options	SKU1: 1 x 24-port 12Gb SAS 36-PHY expander backplane (Additional Tri-mode/PCIe Switch/Retimer card required)	
		SKU2: 3 x 8-port SAS3/PCIe Gen 4 NVMe Tri-Mode backplane (Additional Tri-mode/PCIe Switch/Retimer card required)	
		SKU3: 3 x 8-port SAS3 backplane	

Expansion Slots	PCIe 4.0	<ul style="list-style-type: none"> • 3 x PCIe X16 slots (HHHL) + 1 x OCP 3.0 • 2 x PCIe X8 slots (HHHL)
	BIOS Type	<ul style="list-style-type: none"> • AMI UEFI BIOS • SPI (Serial Peripheral Interface) FLASH Interface
System BIOS	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • WOL • AC loss recovery • IPMI 2.0 KCS interface • SMBIOS • Serial console redirection • BIOS Boot • BIOS Recovery Mode • SRIOV • iSCSI • TPM • PCIe NTB
		SATA / SAS
On-board Devices	IPMI	<ul style="list-style-type: none"> Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support
	Network Controllers	<ul style="list-style-type: none"> • Realtek® RTL8211EL single port 1Gbps Ethernet PHYceiver for dedicated BMC port
	Graphics	<ul style="list-style-type: none"> Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp

Top View



(Power supply and Server board are included.)

SB201-TU

Rear I/O	LAN	1 x GbE RJ45 dedicated to BMC management
	USB	2 x USB 3.0 Type A
	VGA	1 x external DB-15 VGA port
	Serial Port	1 x external COM port phone jack
Power Supply	800W/1200W 1+1 redundant power supply 80+ Platinum • AC INPUT : 100~240V,50/60Hz,10-5A	
System Cooling	6 x 60x38mm easy swap fans	
System Management	<ul style="list-style-type: none"> • IPMI 2.0 • KVM over IP • Media redirection • Temperature, fan, voltage, PSU sensor monitor • System temperature 	<ul style="list-style-type: none"> • System ID / System fail indicator • Remote power on/off/reset • SEL message alarm through mail • SNMP support • Intel NM

Environmental Specifications	<ul style="list-style-type: none"> • Storage temperature: -10°C(14°F) ~ 60°C(140°F) • Operating temperature: 0°C(32°F) ~ 35°C(95°F) • Storage operating humidity: 5%~95% non-condensing 	
Gross Weight	(w/ PSU & Rail)	kgs : 25.4
		lbs : 56
Packaging Dimensions	(W x D x H)	mm : 605 x 880 x 322
		inches : 23.8 x 34.7 x 12.7
Mounting	Standard	28" tool-less slide rail



Front View

12 x 3.5" hot swap drive bays



Features

- 2U 12-Bay storage server with SATA/SAS3/NVMe drives support
- Supports 3rd Gen. Intel® Xeon® Scalable processors (Ice Lake)
- Intel® C621A Chipset to provide 5+ years product life cycle
- Onboard Baseboard Management Controller for system management and IPMI control
- Dedicated BMC management port
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions

Rear View

Supports up to 5 x PCIe 4.0 slots



OCP 3.0

Specifications

Dimensions (W x D x H)	mm : 430 x 680 x 88.2		
	inches : 17 x 26.8 x 3.5		
Motherboard	AIC Server Board Tucana		
Processor	Processor Support	<ul style="list-style-type: none"> • 3rd Gen Intel® Xeon® Scalable Processors (Ice Lake) • Supports CPU TDP up to 270W <i>*Use over 165W CPU, please contact AIC Technical Support for more info/details about optimized CPUs and specialized system.</i> 	
	QPI Speeds	11.2 GT/s	
	Socket Type	Socket P+ (LGA-4189)	
Chipset Support	Intel® C621A Chipset		
System Memory	<ul style="list-style-type: none"> • 8 x memory channels per CPU, 1 x DIMM per channel • 16 x DIMM slots support: DDR4 REG ECC 3200/2933/2666 • Intel® Optane™ Persistent Memory 200 (Barlow Pass) support 		
Front Panel	System power on/off, System ID, System reset, 1x USB 3.0 Type A		
LEDs	Power status, System alert, LAN activity, Drive activity, System ID		
Drive Bays	External	3.5" hot swap	12
		2 x 2.5" hot swap (rear)	
	Internal	M.2	2 x M.2(NGFF)/M-Key/2280
Backplane	Options	SKU1: 1 x 12-port 12Gb SAS 28-PHY expander backplane	
		SKU2: 3 x 4-port 12G SAS / PCIe Gen4 NVMe backplane	
		SKU3: 2 x 4-port 12G SAS / PCIe Gen4 NVMe backplane 1 x 4-port 12G SAS backplane	
		SKU4: 3 x 4-port 12G SAS backplane	

Expansion Slots	PCIe 4.0	<ul style="list-style-type: none"> • 3 x PCIe X16 slots (HHHL) + 1 x OCP 3.0 • 2 x PCIe X8 slots (HHHL)
	BIOS Type	<ul style="list-style-type: none"> • AMI UEFI BIOS • SPI (Serial Peripheral Interface) FLASH Interface
System BIOS	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • WOL • AC loss recovery • IPMI 2.0 KCS interface • SMBIOS • Serial console redirection • BIOS Boot • BIOS Recovery Mode • SRIOV • iSCSI • TPM • PCIe NTB
		SATA / SAS
On-board Devices	IPMI	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support
	Network Controllers	<ul style="list-style-type: none"> • Realtek® RTL8211EL single port 1000 Mbps Ethernet PHYceiver for dedicated
	Graphics	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp

Top View



(Power supply and Server board are included.)

SB202-TU

Rear I/O	LAN	1 x GbE RJ45 dedicated to BMC management
	USB	2 x USB 3.0 Type A
	VGA	1 x external DB-15 VGA port
	Serial Port	1 x external COM port phone jack
Power Supply	800W/1200W 1+1 redundant power supply 80+ Platinum • AC INPUT : 100~240V,50/60Hz,10-5A	
System Cooling	6 x 60x38mm easy swap fans	
System Management	<ul style="list-style-type: none"> • IPMI 2.0 • KVM over IP • Media redirection • Temperature, fan, voltage, PSU sensor monitor • System temperature 	<ul style="list-style-type: none"> • System ID / System fail indicator • Remote power on/off/reset • SEL message alarm through mail • SNMP support • Intel NM

Environmental Specifications	<ul style="list-style-type: none"> • Storage temperature: -10°C(14°F) ~ 60°C(140°F) • Operating temperature: 0°C(32°F) ~ 35°C(95°F) • Storage operating humidity: 5%~95% non-condensing 	
Gross Weight	(w/ PSU & Rail)	kgs : 26
		lbs : 57.3
Packaging Dimensions	(W x D x H)	mm : 605 x 920 x 322
		inches : 23.8 x 36.2 x 12.7
Mounting	Standard	28" tool-less slide rail



Front View

4 x 3.5" hot swap drive bays



Features

- 1U general purpose storage server supports 4 hot swap 3.5" SATA drive bays
- Supports 2nd Gen. Intel® Xeon® Scalable processors (Cascade Lake Refresh/Cascade Lake/Skylake)
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and easy swap redundant fans to provide optimal thermal conditions
- Two 10GbE SFP+ ports plus dedicated BMC management port

Rear View

2 x 10GbE SFP+



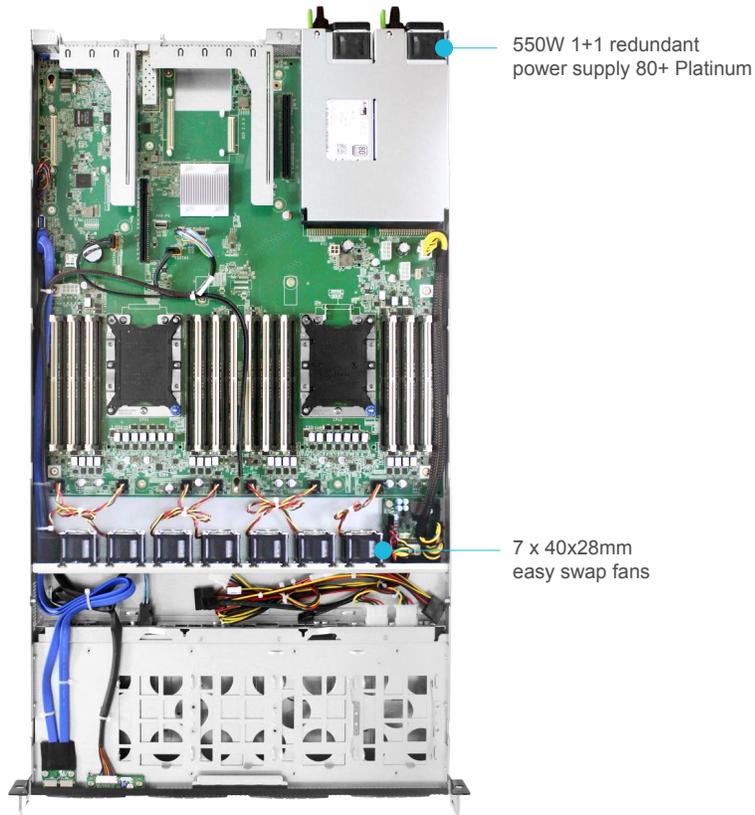
Specifications

Dimensions (W x D x H)	mm : 438 x 800 x 43.5		
	inches : 17.2 x 31.5 x 1.7		
Motherboard	AIC Server Board Ursa		
Processor	Processor Support	<ul style="list-style-type: none"> • Intel® Xeon® Scalable Processors (Cascade Lake Refresh/Cascade Lake/Skylake) • Supports CPU TDP up to 205W <i>*Please contact AIC Technical Support for more info/details about optimized CPUs and specialized system.</i> 	
	UPI Speeds	10.4 GT/s, 9.6 GT/s	
	Socket Type	Socket P0 (LGA-3647 Socket)	
Chipset Support	Intel® Lewisburg C620 series PCH		
System Memory	<ul style="list-style-type: none"> • DDR4 2933/2666/2400 (1DPC/2DPC) MHz • Total 24 memory slots ; 6 channel per CPU (2DPC) • Up to 3TB 3DS ECC RDIMM/LRDIMM • Intel® Optane™ DC Persistent Memory (Apache Pass) support 		
Front Panel	<ul style="list-style-type: none"> • System power on/off • System reset • 2 x USB 3.0 Type A • System ID 		
LEDs	<ul style="list-style-type: none"> • Power status • System alert • System ID 		
Drive Bays	External	3.5" hot swap	4 x 6G SATA
	Internal	2.5" OS	2
Backplane	1 x 4-port 12G SAS backplane with 1 x SFF-8643 connector		
Expansion Slots	PCIe 3.0	<ul style="list-style-type: none"> • 2 x16 slots (1 FHHL, 1 LP) • 2 OCP Mezzanine support: 1 PCIe Gen3 x16 (V2.0) 1 PCIe Gen3 x8 (V1.2) 	

Riser Card (included)	RC-PE1U02-Z2	1 x16 PCIe slot
System BIOS	BIOS Type	AMI UEFI BIOS
	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • AC loss recovery • IPMI KCS interface • SMBIOS • Serial console redirection • BIOS Boot Specification • BIOS Recovery Mode
On-board Devices	SATA	<ul style="list-style-type: none"> • Intel® Lewisburg PCH on-chip solution • 12 x SATA 6.0 Gb/s (by 3 x Slimline) • 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin) • RAID 0, 1, 5, 10 support by Intel RSTe
	IPMI	<ul style="list-style-type: none"> • Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support • HTML5 • Redfish
	Network Controllers	<ul style="list-style-type: none"> • Intel® PCH (C622) Integrated 10GbE LAN Controller support 2 x 10GbE SFP+ • Networking options provided via OCP Mezzanine extension • Broadcom BCM54612 (GbE) for BMC dedicated management port
	Graphics	<ul style="list-style-type: none"> • Aspeed AST2500 Advanced PCIe Graphics & Remote Management Process • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp



Top View



(Power supply and Server board are included.)

SB101-UR

Rear I/O	LAN	<ul style="list-style-type: none"> • 2 x 10GbE SFP+ • 1 x GbE RJ45 dedicated to BMC management
	USB	2 x USB 3.0 Type A
	VGA	1 x external DB-15 VGA port
	Serial Port	1 x internal serial header
	Other	1 x TPM connector
Power Supply	550W 1+1 redundant power supply 80+ Platinum • AC INPUT : 100~240V,50/60Hz,7-3.5A 800W 1+1 redundant power supply 80+ Platinum (BTO) • AC INPUT : 100~240V,50/60Hz,10-5A	
System Cooling	7 x 40x28mm easy swap fans (Optional 7 x 40x56mm easy swap fans, BTO)	

System Management	<ul style="list-style-type: none"> • IPMI : Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support 	
Environmental Specifications	<ul style="list-style-type: none"> • Storage temperature : -10°C(14°F) ~ 60°C(140°F) • Operating temperature : 0°C(32°F) ~ 35°C(95°F) • Storage operating humidity : 5%~95% non-condensing 	
Gross Weight	(w/ PSU & Rail)	kgs : 20 lbs : 44
Packaging Dimensions	(W x D x H)	mm : 615 x 1135 x 273 inches : 24.2 x 44.7 x 10.7
Mounting	Standard	28" tool-less slide rail

Ordering Information

SKU Number	Description
XP1-S101UR01	1U 4-bay storage server, 12G 4-port backplane, 7x 4028 fan, 2x internal 2.5" 9mm SSD bay, Acbel 550W redundant power supply Platinum, Ursa motherboard, Intel Lewisburg, DDR4 RDIMM x24, Intel PCH C622, 2x 10G SFP+ onboard connector, WATX, 2x CPU heatsink, 28" slide rail, riser card x2, w/o bezel
XP1-S101UR04	1U 4-bay storage server, 12G 4-port backplane, 7x 4056 fan, 2x internal 2.5" 9mm SSD bay, Acbel 800W redundant power supply Platinum, Ursa motherboard, Intel Lewisburg, DDR4 RDIMM x24, Intel PCH C622, 2x 10G SFP+ onboard connector, WATX, 2x CPU heatsink, 28" slide rail, riser card x2, w/o bezel (for 205W CPU support)



Front View

24 x 2.5" hot swap drive bays



Features

- 2U general purpose storage server supports 24 hot swap 2.5" SATA/SAS drive bays
- Supports 2nd Gen. Intel® Xeon® Scalable processors (Cascade Lake Refresh/Cascade Lake/Skylake)
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Two 10GbE SFP+ ports plus dedicated BMC management port

Rear View

2 x 10GbE SFP+



550W 1+1 redundant power supply 80+ Platinum

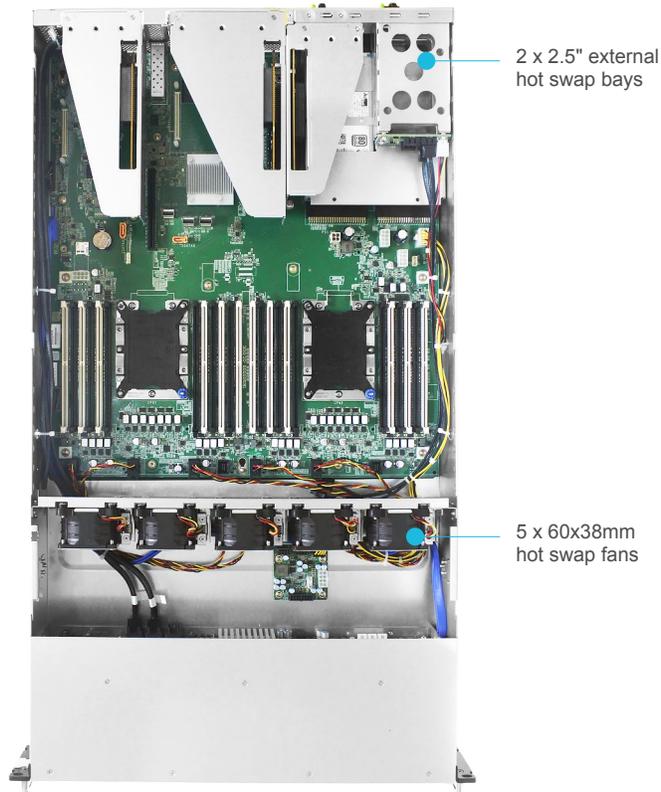
Specifications

Dimensions (W x D x H)	mm : 438 x 800 x 87.3		
	inches : 17.4 x 31.5 x 3.4		
Motherboard	AIC Server Board Ursa		
Processor	Processor Support	<ul style="list-style-type: none"> • Intel® Xeon® Scalable Processors (Cascade Lake Refresh/Cascade Lake/Skylake) • Supports CPU TDP up to 205W <i>*Please contact AIC Technical Support for more info/details about optimized CPUs and specialized system.</i> 	
	UPI Speeds	10.4 GT/s, 9.6 GT/s	
	Socket Type	Socket P0 (LGA-3647 Socket)	
Chipset Support	Intel® Lewisburg C620 series PCH		
System Memory	<ul style="list-style-type: none"> • DDR4 2933/2666/2400 (1DPC/2DPC) MHz • Total 24 memory slots ; 6 channel per CPU (2DPC) • Up to 3TB 3DS ECC RDIMM/LRDIMM • Intel® Optane™ DC Persistent Memory (Apache Pass) support 		
Front Panel	<ul style="list-style-type: none"> • System power on/off • System ID • System reset • 2 x USB 3.0 Type A 		
LEDs	Power status and System alert		
Drive Bays	External	2.5" hot swap	24 <i>Notification: Customer has to purchase a discrete SAS HBA/RAID card for the front drives connection.</i>
			2 (15mm, rear)
Backplane	Options	1 x 24-port 12Gb SAS backplane with 28-PHY expander chip and 3 SFF-8643 connectors (BTO)	
		1 x 24-port 12Gb SAS backplane with 6 SFF-8643 connectors	
Expansion Slots	<ul style="list-style-type: none"> • 6 x8 PCIe slots (4 LP, 2 FHHL) • 2 OCP Mezzanine support: <ul style="list-style-type: none"> 1 PCIe Gen3 x16 (V2.0) 1 PCIe Gen3 x8 (V1.2) 		

Riser Card (included)	DB-000000110	2 x8 PCIe slots
	DB-000000119	2 x8 PCIe slots
System BIOS	BIOS Type	AMI UEFI BIOS
	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • WOL • AC loss recovery • IPMI KCS interface • SMBIOS • Serial console redirection • BIOS Boot Specification • BIOS Recovery Mode
On-board Devices	SATA	Intel® Lewisburg PCH on-chip solution <ul style="list-style-type: none"> • 12 x SATA 6.0 Gb/s (by 3 x Slimline) • 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin) • RAID 0, 1, 5, 10 support by Intel RSTe
	IPMI	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support • HTML5 • Redfish
	Network Controllers	<ul style="list-style-type: none"> • Intel® PCH (C622) Integrated 10GbE LAN Controller support 2 x 10GbE SFP+ • Networking options provided via OCP Mezzanine extension • Broadcom BCM54612 (GbE) for BMC dedicated management port
	Graphics	<ul style="list-style-type: none"> • Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp



Top View



(Power supply and Server board are included.)

SB201-UR

Rear I/O	LAN	<ul style="list-style-type: none"> • 2 x 10GbE SFP+ • 1 x GbE RJ45 dedicated to BMC management
	USB	2 x USB 3.0 Type A
	VGA	1 x external DB-15 VGA port
	Serial Port	1 x internal serial header
	Other	1 x TPM connector
Power Supply	550W 1+1 redundant power supply 80+ Platinum • AC INPUT : 100~240V,50/60Hz,7-3.5A 800W 1+1 redundant power supply 80+ Platinum (BTO) • AC INPUT : 100~240V,50/60Hz,10-5A	
System Cooling	5 x 60x38mm hot swap fans	

System Management	<ul style="list-style-type: none"> • IPMI : Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support 	
Environmental Specifications	<ul style="list-style-type: none"> • Storage temperature : -10°C(14°F) ~ 60°C(140°F) • Operating temperature : 0°C(32°F) ~ 35°C(95°F) • Storage operating humidity : 5%~95% non-condensing 	
Gross Weight	(w/ PSU & Rail)	kgs : 29
		lbs : 63.9
Packaging Dimensions	(W x D x H)	mm : 603 x 1085 x 320
		inches : 23.7 x 42.7 x 12.5
Mounting	Standard	28" tool-less slide rail

Ordering Information

SKU Number	Description
XP1-S201UR01	2ATW 24x 2.5" L800 chassis, 2U24 EOB backplane, 5x 6038 system fan modules, 550W CRPS , Ursa motherboard, 3x 2x PCIe x8 riser, 2x heatsink, 28" sliding rail
XP1-S201UR03	2ATW 24x 2.5" L800 chassis, 2U24 EOB backplane, 5x 6038 system fan modules, 800W CRPS , Ursa motherboard, 3x 2x PCIe x8 riser, 2x heatsink, 28" sliding rail



Front View

12 x 3.5" hot swap drive bays



Features

- 2U general purpose storage server supports 12 hot swap 3.5" SATA drive bays
- Supports 2nd Gen. Intel® Xeon® Scalable processors (Cascade Lake Refresh/Cascade Lake/Skylake)
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Two 10GbE SFP+ ports plus dedicated BMC management port

Rear View

2 x 10GbE SFP+



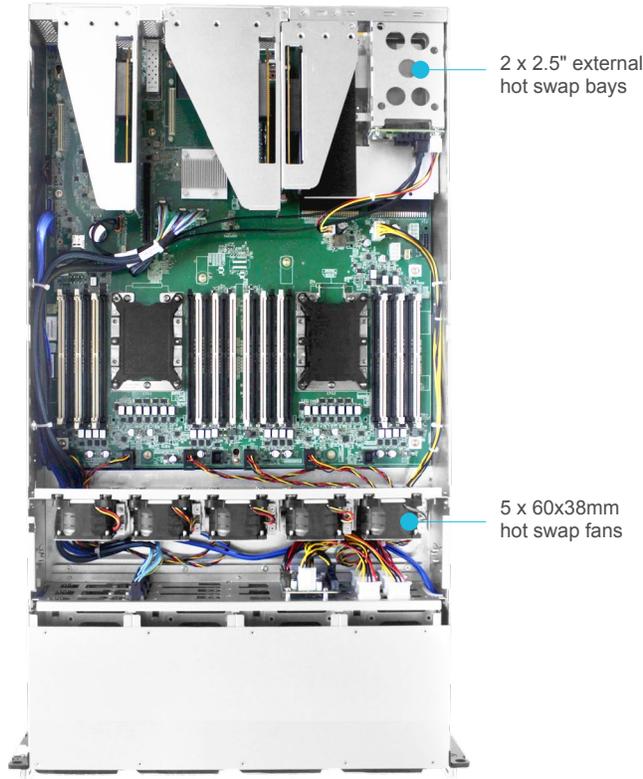
550W 1+1 redundant power supply 80+ Platinum

Specifications

Dimensions (W x D x H)	mm : 438 x 800 x 87.3		
	inches : 17.4 x 31.5 x 3.4		
Motherboard	AIC Server Board Ursa		
Processor	Processor Support	<ul style="list-style-type: none"> • Intel® Xeon® Scalable Processors (Cascade Lake Refresh/Cascade Lake/Skylake) • Supports CPU TDP up to 205W <i>*Please contact AIC Technical Support for more info/details about optimized CPUs and specialized system.</i>	
	UPI Speeds	10.4 GT/s, 9.6 GT/s	
	Socket Type	Socket P0 (LGA-3647 Socket)	
Chipset Support	Intel® Lewisburg C620 series PCH		
System Memory	<ul style="list-style-type: none"> • DDR4 2933/2666/2400 (1DPC/2DPC) MHz • Total 24 memory slots ; 6 channel per CPU (2DPC) • Up to 3TB 3DS ECC RDIMM/LRDIMM • Intel® Optane™ DC Persistent Memory (Apache Pass) support 		
Front Panel	<ul style="list-style-type: none"> • System power on/off • System ID • System reset • 2 x USB 3.0 Type A 		
LEDs	Power status and System alert		
Drive Bays	External	3.5" hot swap	12
		2.5" hot swap	2 (15mm, rear)
Backplane	Options	1 x 12-port 12Gb SAS backplane with 28-PHY expander chip and 3 SFF-8643 connectors	
		1 x 12-port 12Gb SAS backplane with 3 SFF-8643 connectors	
Expansion Slots	<ul style="list-style-type: none"> • 6 x8 PCIe slots (4 LP, 2 FHHL) • 2 OCP Mezzanine support: <ul style="list-style-type: none"> 1 PCIe Gen3 x16 (V2.0) 1 PCIe Gen3 x8 (V1.2) 		

Riser Card (included)	DB-00000110	2 x8 PCIe slots
	DB-00000119	2 x8 PCIe slots
System BIOS	BIOS Type	AMI UEFI BIOS
	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • WOL • AC loss recovery • IPMI KCS interface • SMBIOS • Serial console redirection • BIOS Boot Specification • BIOS Recovery Mode • SRIOV
On-board Devices	SATA	<ul style="list-style-type: none"> • Intel® Lewisburg PCH on-chip solution • 12 x SATA 6.0 Gb/s (by 3 x Slimline) • 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin) • RAID 0, 1, 5, 10 support by Intel RSTe
	IPMI	<ul style="list-style-type: none"> • Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support • HTML5 • Redfish
	Network Controllers	<ul style="list-style-type: none"> • Intel® PCH (C622) Integrated 10GbE LAN Controller support 2 x 10GbE SFP+ • Networking options provided via OCP Mezzanine extension • Broadcom BCM54612 (GbE) for BMC dedicated management port
	Graphics	<ul style="list-style-type: none"> • Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp

Top View



(Power supply and Server board are included.)

SB202-UR

Rear I/O	LAN	<ul style="list-style-type: none"> • 2 x 10GbE SFP+ • 1 x GbE RJ45 dedicated to BMC management
	USB	2 x USB 3.0 Type A
	VGA	1 x external DB-15 VGA port
	Serial Port	1 x internal serial header
	Other	1 x TPM connector
Power Supply	550W 1+1 redundant power supply 80+ Platinum • AC INPUT : 100~240V,50/60Hz,7-3.5A 800W 1+1 redundant power supply 80+ Platinum (BTO) • AC INPUT : 100~240V,50/60Hz,10-5A	
System Cooling	5 x 60x38mm hot swap fans	

System Management	<ul style="list-style-type: none"> • IPMI : Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support 	
Environmental Specifications	<ul style="list-style-type: none"> • Storage temperature : -10°C(14°F) ~ 60°C(140°F) • Operating temperature : 0°C(32°F) ~ 35°C(95°F) • Storage operating humidity : 5%~95% non-condensing 	
Gross Weight	(w/ PSU & Rail)	kgs : 29 lbs : 63.9
Packaging Dimensions	(W x D x H)	mm : 603 x 1085 x 320 inches : 23.7 x 42.7 x 12.5
Mounting	Standard	28" tool-less slide rail

Ordering Information

SKU Number	Description
XP1-S202UR02	2ETW 12x 3.5" L800 chassis, 2U212 EOB backplane, 5x 6038 system fan modules, 550W CRPS, Ursa motherboard, 3x 2x PCIe x8 riser, 2x heatsink, 28" sliding rail
XP1-S202UR04	2ETW 12x3.5" L800 chassis, 2U212 EOB backplane, 5x 6038 system fan modules, 800W CRPS, Ursa motherboard, 3x 2x PCIe x8 riser, 2x heatsink, 28" sliding rail



Front View

8 x 3.5" hot swap drive bays



Features

- 2U general purpose storage server supports 8 hot swap 3.5" SATA drive bays
- Supports 2nd Gen. Intel® Xeon® Scalable processors (Cascade Lake Refresh/Cascade Lake/Skylake)
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Two 10GbE SFP+ ports plus dedicated BMC management port

Rear View

2 x 10GbE SFP+



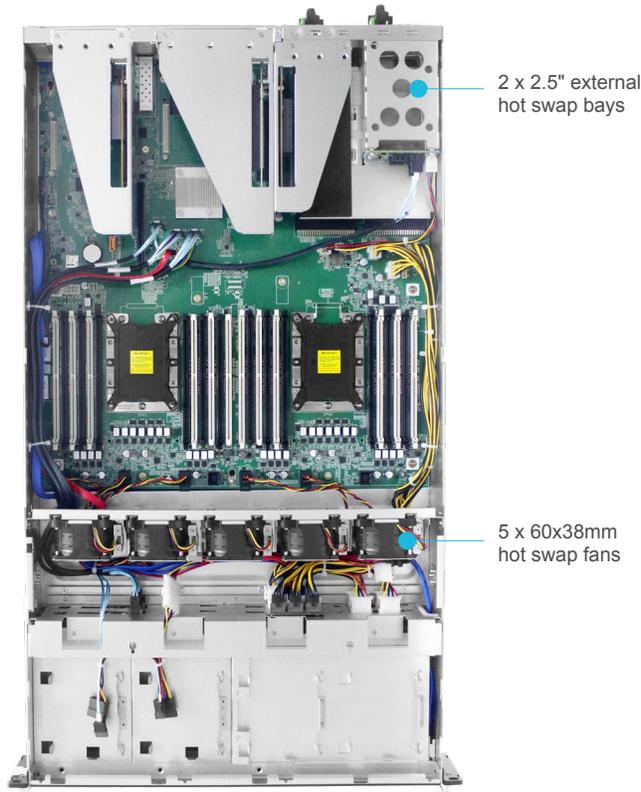
550W 1+1 redundant power supply 80+ Platinum

Specifications

Dimensions (W x D x H)	mm : 438 x 800 x 87.3		
	inches : 17.4 x 31.5 x 3.4		
Motherboard	AIC Server Board Ursa		
Processor	Processor Support	<ul style="list-style-type: none"> • Intel® Xeon® Scalable Processors (Cascade Lake Refresh/Cascade Lake/Skylake) • Supports CPU TDP up to 205W <i>*Please contact AIC Technical Support for more info/details about optimized CPUs and specialized system.</i>	
	UPI Speeds	10.4 GT/s, 9.6 GT/s	
	Socket Type	Socket P0 (LGA-3647 Socket)	
Chipset Support	Intel® Lewisburg C620 series PCH		
System Memory	<ul style="list-style-type: none"> • DDR4 2933/2666/2400 (1DPC/2DPC) MHz • Total 24 memory slots ; 6 channel per CPU (2DPC) • Up to 3TB 3DS ECC RDIMM/LRDIMM • Intel® Optane™ DC Persistent Memory (Apache Pass) support 		
Front Panel	<ul style="list-style-type: none"> • System power on/off • System ID • System reset • 2 x USB 3.0 Type A 		
LEDs	Power status and System alert		
Drive Bays	External	3.5" hot swap	8
		2.5" hot swap	2 (rear)
	Internal	2.5"	2
Backplane	4-port with SFF-8643 connector supports 12G		
Expansion Slots	<ul style="list-style-type: none"> • 6 x8 PCIe slots (4 LP, 2 FHHL) • 2 OCP Mezzanine support: <ul style="list-style-type: none"> 1 PCIe Gen3 x16 (V2.0) 1 PCIe Gen3 x8 (V1.2) 		

Riser Card (included)	DB-00000110	2 x8 PCIe slots
	DB-00000119	2 x8 PCIe slots
System BIOS	BIOS Type	AMI UEFI BIOS
	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • WOL • AC loss recovery • IPMI KCS interface • SMBIOS • Serial console redirection • BIOS Boot Specification • BIOS Recovery Mode
On-board Devices	SATA	<ul style="list-style-type: none"> Intel® Lewisburg PCH on-chip solution • 12 x SATA 6.0 Gb/s (by 3 x Slimline) • 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin) • RAID 0, 1, 5, 10 support by Intel RSTe
	IPMI	<ul style="list-style-type: none"> Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support • HTML5 • Redfish
	Network Controllers	<ul style="list-style-type: none"> • Intel® PCH (C622) Integrated 10GbE LAN Controller support 2 x 10GbE SFP+ • Networking options provided via OCP Mezzanine extension • Broadcom BCM54612 (GbE) for BMC dedicated management port
	Graphics	<ul style="list-style-type: none"> • Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp

Top View



(Power supply and Server board are included.)

SB203-UR

Rear I/O	LAN	<ul style="list-style-type: none"> • 2 x 10GbE SFP+ • 1 x GbE RJ45 dedicated to BMC management
	USB	2 x USB 3.0 Type A
	VGA	1 x external DB-15 VGA port
	Serial Port	1 x internal serial header
	Other	1 x TPM connector
Power Supply	550W 1+1 redundant power supply 80+ Platinum • AC INPUT : 100~240V,50/60Hz,7-3.5A 800W 1+1 redundant power supply 80+ Platinum (BTO) • AC INPUT : 100~240V,50/60Hz,10-5A	
System Cooling	5 x 60x38mm hot swap fans	

System Management	<ul style="list-style-type: none"> • IPMI : Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support 	
Environmental Specifications	<ul style="list-style-type: none"> • Storage temperature : -10°C(14°F) ~ 60°C(140°F) • Operating temperature : 0°C(32°F) ~ 35°C(95°F) • Storage operating humidity : 5%~95% non-condensing 	
Gross Weight	(w/ PSU & Rail)	kgs : 26.5 lbs : 58.4
Packaging Dimensions	(W x D x H)	mm : 603 x 1085 x 320 inches : 23.7 x 42.7 x 12.5
Mounting	Standard	28" tool-less slide rail

Ordering Information

SKU Number	Description
XP1-S203UR02	2KTW 8x 3.5" L800 chassis (Top plate HDD x2, CD-ROM plate), 4-in-1 backplane, 5x 6038 system fan modules, 550W CRPS, Ursa motherboard, 3x 2x PCIe x8 riser, 2x heatsink, 28" sliding rail
XP1-S203UR03	2KTW 8x 3.5" L800 chassis (Top plate HDD x2, 2x 2.5" OS plate), 4-in-1 backplane, 5x 6038 system fan modules, 800W CRPS, Ursa motherboard, 3x 2x PCIe x8 riser, 2x heatsink, 28" sliding rail
XP1-S203UR04	2KTW 8x 3.5" L800 chassis (Top plate HDD x2, CD-ROM plate), 4-in-1 backplane, 5x 6038 system fan modules, 800W CRPS, Ursa motherboard, 3x 2x PCIe x8 riser, 2x heatsink, 28" sliding rail



Front View

24 x 3.5" hot swap drive bays



- ### Features
- 4U general purpose storage server supports 24 hot swap 3.5" SAS drive bays
 - Supports 2nd Gen. Intel® Xeon® Scalable processors (Cascade Lake Refresh/Cascade Lake/Skylake)
 - With Intel® Lewisburg C620 series Chipset to provide 5+ years product life cycle
 - Onboard Baseboard Management Controller for system management and IPMI control
 - Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
 - Two 10GbE SFP+ ports plus dedicated BMC management port

Rear View

2 x 10GbE SFP+



1200W 1+1 redundant power supply 80+ Platinum

Specifications

Dimensions (W x D x H)	mm : 430 x 680 x 174.3		
	inches : 16.9 x 26.8 x 6.9		
Motherboard	AIC Server Board Virgo		
Processor	Processor Support	<ul style="list-style-type: none"> • Intel® Xeon® Scalable Processors (Cascade Lake Refresh/Cascade Lake/Skylake) • Supports CPU TDP up to 140W <i>*Use over 140W CPU, please contact AIC Technical Support for more info/details about optimized CPUs and specialized system.</i> 	
	UPI Speeds	10.4 GT/s, 9.6 GT/s	
	Socket Type	Socket P0 (LGA-3647 Socket)	
Chipset Support	Intel® Lewisburg C620 series PCH		
System Memory	<ul style="list-style-type: none"> • 6 x memory channels per CPU, 1 x DIMM per channel • 12 x DIMM slots support: 2933/2666/2400MHz • Intel® Optane™ DC Persistent Memory (Apache Pass) support 		
Front Panel	System power on/off, System ID, System reset, 2x USB 3.0 Type A		
LEDs	Power status, System alert, LAN activity, Drive activity, System ID		
Drive Bays	External	3.5" hot swap	24
		2.5" hot swap	2 (15mm, rear)
	Internal	M.2	2 x M.2(NGFF)/M-Key/2280
Backplane	Options	1 x 24-port 12Gb SAS backplane with 36-PHY expander and 3 SFF-8643 connectors	
		1 x 24-port 12Gb SAS passive backplane with 6 SFF-8643 + 4 x NVMe U.2 connectors (BTO)	
		1 x 24-port 12Gb SAS backplane with 6 SFF-8643 connectors (BTO)	

Expansion Slots	PCIe 3.0	<ul style="list-style-type: none"> • 2 x PCIe X16 slots (FHHL) • 3 x PCIe X8 slots (FHHL) 	
	BIOS Type	Insyde UEFI BIOS	
System BIOS	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • WOL • AC loss recovery • IPMI 2.0 KCS interface • SMBIOS • Serial console redirection 	<ul style="list-style-type: none"> • BIOS Boot Specification • BIOS Recovery Mode • iSCSI • TPM • PCIe Hotplug
		SATA	<ul style="list-style-type: none"> • Intel® Lewisburg PCH on-chip solution • 8 x SATA 6.0 Gb/s (by 2 x mini-SAS) • 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin) • RAID 0, 1, 5, 10 support by Intel RSTe • Broadcom SAS IOC SAS3008 supports up to 8 ports 12G SAS via 2 x mini-SAS HD (optional)
On-board Devices	BMC	<ul style="list-style-type: none"> • Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support • HTML5 • Redfish 	
	Network Controllers	<ul style="list-style-type: none"> • Intel® PCH (Lewisburg) Integrated 10GbE LAN controller with dual 10GbE SFP+ + 2 x configurable ports support 10GbE (KR/SFI/XFI) or 1GbE (KX) (option) • Realtek RTL8201EL for BMC dedicated management port 	
	Graphics	<ul style="list-style-type: none"> • Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp 	



Top View



3 x 120x25mm hot swap fans

(Power supply and Server board are included.)

SB401-VG

Rear I/O	LAN	<ul style="list-style-type: none"> • 2 x 10GbE SFP+ • 1 x 10/100M RJ45 dedicated to BMC management
	USB	2 x USB 3.0 Type A
	VGA	1 x external DB-15 VGA port
	Serial Port	1 x external DB-9 COM port
TPM Support	2.0 onboard	
Power Supply	1200W 1+1 redundant power supply 80+ Platinum • AC INPUT : 100~127V,50/60Hz,10A • DC OUTPUT : 800W • AC INPUT : 200~240V,50/60Hz,8A • DC OUTPUT : 1200W	
System Cooling	3 x 120x25mm hot swap fans + 2 x 60x38mm hot swap fans	

System Management	<ul style="list-style-type: none"> • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support • HTML5 • Redfish 	
Environmental Specifications	<ul style="list-style-type: none"> • Storage temperature : -10°C(14°F) ~ 60°C(140°F) • Operating temperature : 0°C(32°F) ~ 35°C(95°F) • Storage operating humidity : 5%~95% non-condensing 	
Gross Weight	(w/ PSU & Rail)	kgs : 35
		lbs : 77
Packaging Dimensions	(W x D x H)	mm : 605 x 920 x 406
		inches : 23.8 x 36.2 x 16
Mounting	Standard	28" tool-less slide rail

Ordering Information

SKU Number	Description
XP1-S401VG02	4U 24-bay storage server, 1x 24-port 12G SAS EOB backplanes, 1200W Platinum redundant power supply, 2x 7mm hot-swap OS, Virgo motherboard, Intel® Xeon® Scalable Processors, ATX PWR, DDR4 2933 ECC RDIMM x12, Intel PCH C622, 2x 10G SFP+ SAS3008 IOC, EATX, 2x CPU heatsinks, 28" slide rail, w/o bezel



Front View

24 x 3.5" hot swap drive bays



Features

- 4U general purpose storage server supports 36 hot swap 3.5" SAS drive bays on the front and 6 hot swap 3.5 SAS drive bays on the rear
- Supports 2nd Gen. Intel® Xeon® Scalable processors (Cascade Lake Refresh/Cascade Lake/Skylake)
- With Intel® Lewisburg C620 series chipset to provide 5+ years product life cycle
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Two 10GbE SFP+ ports plus dedicated BMC management port

Rear View

2 x 10GbE SFP+



12 x 3.5" hot swap drive bays

Specifications

Dimensions (W x D x H)	mm : 430 x 680 x 174.3		
	inches : 16.9 x 26.8 x 6.9		
Motherboard	AIC Server Board Virgo		
Processor	Processor Support	<ul style="list-style-type: none"> • Intel® Xeon® Scalable Processors (Cascade Lake Refresh/Cascade Lake/Skylake) • Supports CPU TDP up to 140W <i>*Use over 140W CPU, please contact AIC Technical Support for more info/details about optimized CPUs and specialized system.</i>	
	UPI Speeds	10.4 GT/s, 9.6 GT/s	
	Socket Type	Socket P0 (LGA-3647 Socket)	
Chipset Support	Intel® Lewisburg C620 series PCH		
System Memory	<ul style="list-style-type: none"> • 6 x memory channels per CPU, 1 x DIMM per channel • 12 x DIMM slots support: 2933/2666/2400MHz • Intel® Optane™ DC Persistent Memory (Apache Pass) support 		
Front Panel	System power on/off, System ID, System reset, 2x USB 3.0 Type A		
LEDs	Power status, System alert, LAN activity, Drive activity, System ID		
Drive Bays	External	3.5" hot swap	36
		2.5" hot swap	2 (7mm, rear)
	Internal	M.2	2 x M.2(NGFF)/M-Key/2280
Backplane	<ul style="list-style-type: none"> • 1 x 24-port 12Gb SAS backplane with 36-PHY expander and 3 SFF-8643 connectors • 1 x 12-port 12Gb SAS backplane with 28-PHY expander and 3 SFF-8643 connectors 		
Expansion Slots	PCIe 3.0	• 2 x PCIe X16 slots (LP)	
		• 3 x PCIe X8 slots (LP)	

System BIOS	BIOS Type	Insyde UEFI BIOS	
	BIOS Features	<ul style="list-style-type: none"> • ACP • PXE • WOL • AC loss recovery • SMBIOS • SRIOV 	<ul style="list-style-type: none"> • Serial console redirection • BIOS Boot Specification • BIOS Recovery Mode • TPM • PCIe Hotplug
On-board Devices	SATA	Intel® Lewisburg PCH on-chip solution • 8 x SATA 6.0 Gb/s (by 2 x mini-SAS) • 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin) • RAID 0, 1, 5, 10 support by Intel RSTe Broadcom SAS IOC SAS3008 supports up to 8 ports 12G SAS via 2 x mini-SAS HD (optional)	
	BMC	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support • HTML5 • Redfish	
	Network Controllers	<ul style="list-style-type: none"> • Intel® PCH (Lewisburg) Integrated 10GbE LAN controller with dual 10GbE SFP+ + 2 x configurable ports support 10GbE (KR/SFI/XFI) or 1GbE (KX) (option) • Realtek RTL8201EL for BMC dedicated management port 	
	Graphics	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp	



Top View



(Power supply and Server board are included.)

SB402-VG

Rear I/O	LAN	<ul style="list-style-type: none"> • 2 x 10GbE SFP+ • 1 x 10/100M RJ45 dedicated to BMC management
	USB	2 x USB 3.0 Type A
	VGA	1 x external DB-15 VGA port
	Serial Port	1 x external DB-9 COM port
TPM Support	2.0 onboard	
Power Supply	1200W 1+1 redundant power supply 80+ Platinum • AC INPUT : 100~127V,50/60Hz,10A • DC OUTPUT : 800W • AC INPUT : 200~240V,50/60Hz,8A • DC OUTPUT : 1200W	
System Cooling	6 x 80x38mm hot swap fans	

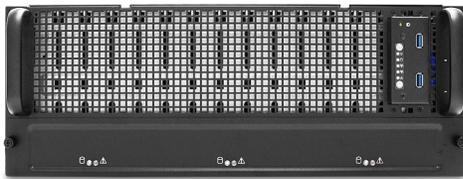
System Management	<ul style="list-style-type: none"> • IPMI 2.0 • KVM over IP • Media redirection • Temperature, fan, voltage, PSU sensor monitor • System temperature • System ID / System fail indicator 	<ul style="list-style-type: none"> • Remote power on/off/reset • SEL message alarm through mail • SNMP support • Intel NM • HTML5 • Redfish
	Environmental Specifications	<ul style="list-style-type: none"> • Storage temperature : -10°C(14°F) ~ 60°C(140°F) • Operating temperature : 0°C(32°F) ~ 35°C(95°F) • Storage operating humidity : 5%~95% non-condensing
Gross Weight	(w/ PSU & Rail)	kgs : 40.4
		lbs : 89
Packaging Dimensions	(W x D x H)	mm : 605 x 926 x 406
		inches : 23.8 x 36.5 x 16
Mounting	Standard	28" tool-less slide rail

Ordering Information

SKU Number	Description
XP1-S402VG02	4U 36-bay storage server,12G EOB backplane, Acbel 2U 1200W HRP Platinum, 2x 7mm hot-swap OS, Virgo motherboard, Intel Purley, ATX PWR, DDR4 RDIMM x12, Intel PCH C622, 2x 10G SFP, SAS3008 IOC, EATX, 2x CPU heatsink, 28" slide rail, w/o bezel



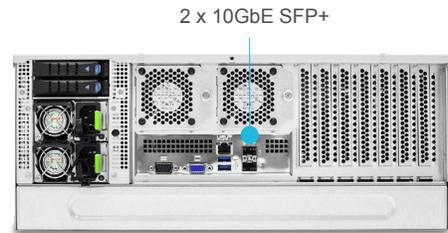
Front View



Features

- 4U high-density storage server supports 60 hot swap 3.5" SAS drive bays
- Supports 2nd Gen. Intel® Xeon® Scalable processors (Cascade Lake Refresh/Cascade Lake/Skylake)
- With Intel® Lewisburg C620 series chipset to provide 5+ years product life cycle
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Two 10GbE SFP+ ports plus dedicated BMC management port

Rear View

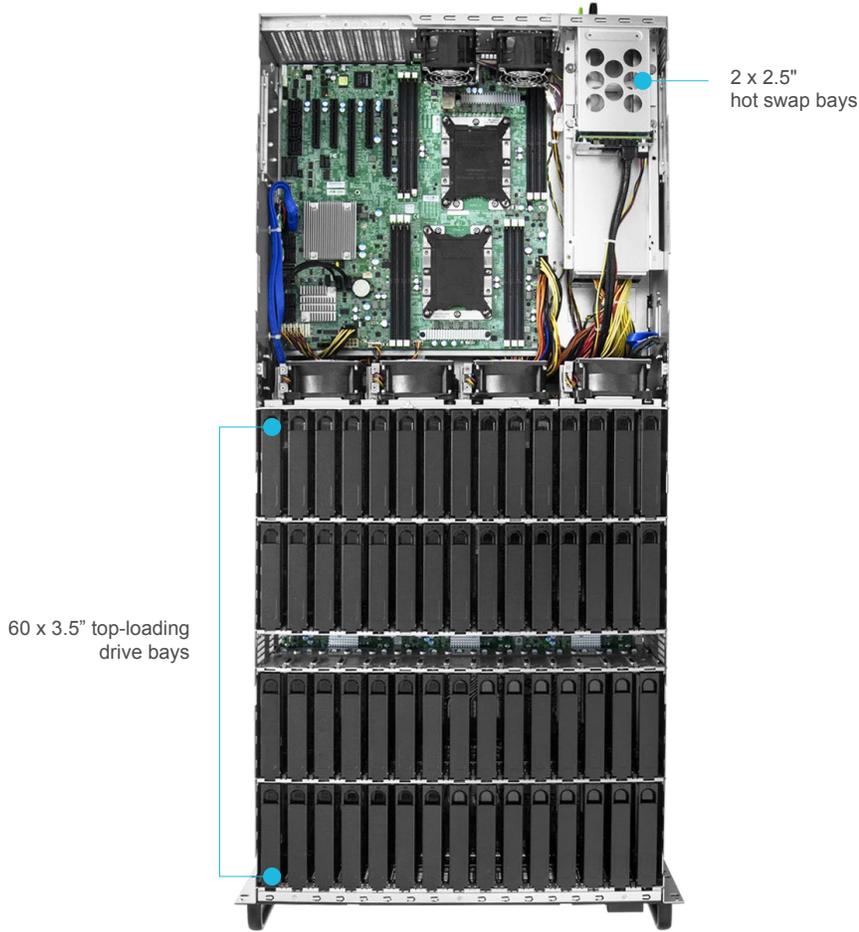


Specifications

Dimensions (W x D x H)	mm : 435 x 953 x 175.7		
	inches : 17.1 x 37.5 x 6.9		
Motherboard	AIC Server Board Virgo		
Processor	Processor Support	<ul style="list-style-type: none"> • Intel® Xeon® Scalable Processors (Cascade Lake Refresh/Cascade Lake/Skylake) • Supports CPU TDP up to 165W <i>*Please contact AIC Technical Support for more info/details about optimized CPUs and specialized system.</i>	
	UPI Speeds	10.4 GT/s, 9.6 GT/s	
	Socket Type	Socket P0 (LGA-3647 Socket)	
Chipset Support	Intel® Lewisburg C620 series PCH		
System Memory	<ul style="list-style-type: none"> • 6 x memory channels per CPU, 1 x DIMM per channel • 12 x DIMM slots support: 2933/2666/2400MHz • Intel® Optane™ DC Persistent Memory (Apache Pass) support 		
Front Panel	System power on/off, System reset, 2 x USB 3.0 Type A		
LEDs	Power status, System alert, LAN activity, Drive activity, System ID		
Drive Bays	Internal	3.5" hot swap	60 (Top-loading)
		2.5" hot swap	2 (15mm, rear)
		M.2	2 x M.2(NGFF)/M-Key/2280
Backplane	3 x 20-port 12G SAS backplanes with 28-PHY expander		
Expansion Slots	PCIe 3.0	<ul style="list-style-type: none"> • 2 x PCIe X16 slots (FHHL) • 3 x PCIe X8 slots (FHHL) 	

System BIOS	BIOS Type	Insyde UEFI BIOS	
	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • WOL • AC loss recovery • IPMI 2.0 KCS interface • SMBIOS • Serial console redirection 	<ul style="list-style-type: none"> • BIOS Boot Specification • BIOS Recovery Mode • SRIOV • iSCSI • TPM • PCIe Hotplug
On-board Devices	SATA	<ul style="list-style-type: none"> Intel® Lewisburg PCH on-chip solution • 8 x SATA 6.0 Gb/s (by 2 x mini-SAS) • 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin) • RAID 0, 1, 5, 10 support by Intel RSTe Broadcom SAS IOC SAS3008 supports up to 8 ports 12G SAS via 2 x mini-SAS HD (optional) 	
	BMC	<ul style="list-style-type: none"> Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support • HTML5 • Redfish 	
	Network Controllers	<ul style="list-style-type: none"> • Intel® PCH (Lewisburg) Integrated 10GbE LAN controller with dual 10GbE SFP+ + 2 x configurable ports support 10GbE (KR/SFI/XFI) or 1GbE (KX) (option) • Realtek RTL8201EL for BMC dedicated management port 	
	Graphics	<ul style="list-style-type: none"> Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp 	

Top View



(Power supply and Server board are included.)

SB403-VG

Rear I/O	LAN	<ul style="list-style-type: none"> • 2 x 10GbE SFP+ • 1 x 10/100M RJ45 dedicated to BMC management
	USB	2 x USB 3.0 Type A
	VGA	1 x external DB-15 VGA port
	Serial Port	1 x external DB-9 COM port
TPM Support	2.0 onboard	
Power Supply	1600W 1+1 redundant power supply 80+ Platinum • AC Input 200-240V, 50/60Hz, 12A (except China/Taiwan) • AC Input 200-240V, 50/60Hz, 10A (for China/Taiwan)	
System Cooling	Middle	4 x 80x38mm hot swap fans
	Rear	2 x 60x38mm easy swap fans

System Management	<ul style="list-style-type: none"> • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support • HTML5 • Redfish 	
Environmental Specifications	<ul style="list-style-type: none"> • Storage temperature : -10°C(14°F) ~ 60°C(140°F) • Operating temperature : 0°C(32°F) ~ 35°C(95°F) • Storage operating humidity : 5%~95% non-condensing 	
Gross Weight	(w/ PSU & Rail)	kgs : 47
		lbs : 103.6
Packaging Dimensions	(W x D x H)	mm : 603 x 1240 x 454
		inches : 23.7 x 48.8 x 17.9
Mounting	Standard	43" tool-less slide rail
	Option	Cable Management Kit

Ordering Information

SKU Number	Description
XP1-S403VG01	4U 60-bay storage server, 3x 20-port 12G EOB backplane, 2U 1600W HRP Platinum, 2x 7mm hot-swap OS, 2x 2.5" hot-swap OS, Virgo motherboard, Intel® Xeon® Scalable Processors, ATX PWR, DDR4 RDIMM x12, Intel PCH C624, 2x 10G SFP, 2x 10GbE SFI onboard connector (optional), SAS3008 IOC, EATX, 2x CPU heatsinks, 26" slide rail, w/o bezel
XP1-S403VG02	4U 60-bay storage server, 12G 20-port backplane x3, Acbel 1600W redundant power supply, Virgo motherboard, Intel Purley, ATX PWR, DDR4 RDIMM x12, Intel PCH C622, 2x 10G SFP+, SAS3008 IOC/EATX, 2x CPU heatsink, 26" slide rail, w/o bezel



Features

- 4U high-density storage server supports 60 hot swap 3.5" SAS drive bays
- Supports 2nd Gen. Intel® Xeon® Scalable processors (Cascade Lake Refresh/Cascade Lake/Skylake)
- With Intel® Lewisburg C620 series chipset to provide 5+ years product life cycle
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Two 10GbE SFP+ ports plus dedicated BMC management port

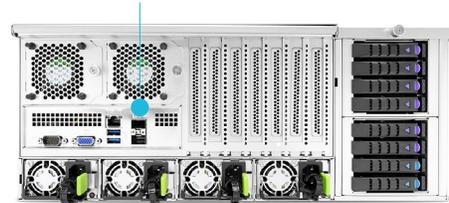
Front View

3 x 120x38mm easy swap fans



Rear View

2 x 10GbE SFP+

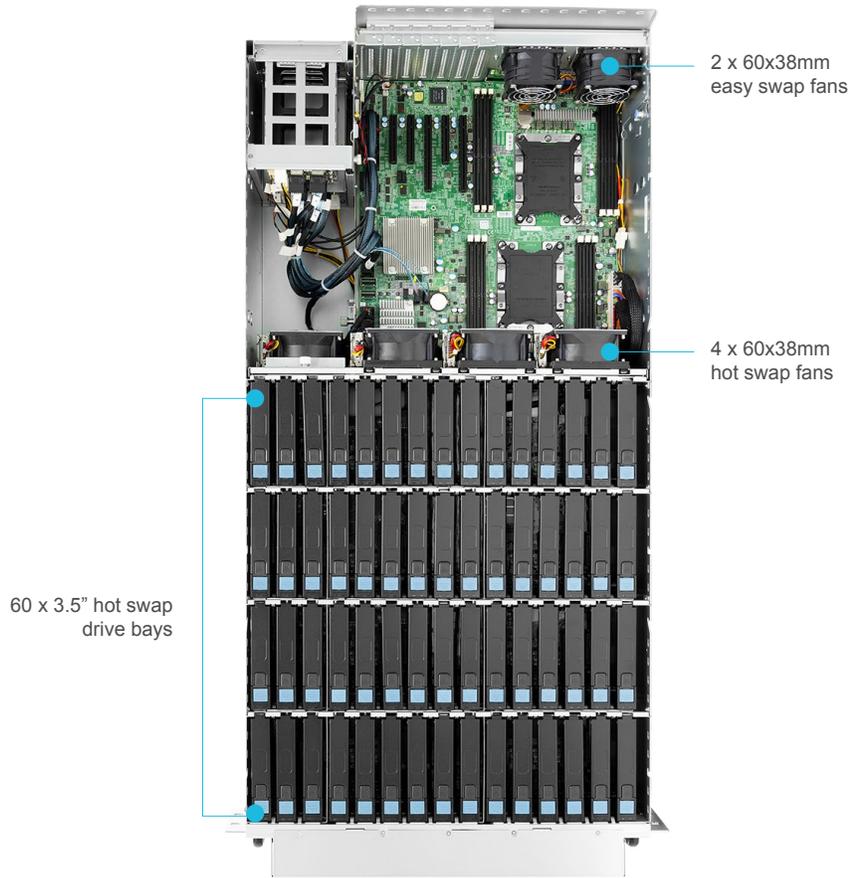


Specifications

Dimensions (W x D x H)	mm : 435 x 853 x 176		
	inches : 17.1 x 33.5 x 6.9		
Motherboard	AIC Server Board Virgo		
Processor	Processor Support	<ul style="list-style-type: none"> • Intel® Xeon® Scalable Processors (Cascade Lake Refresh/Cascade Lake/Skylake) *Please contact AIC Technical Support for more info/details about optimized CPUs and specialized system. 	
	CPU Interconnection	10.4 GT/s, 9.6 GT/s	
	Socket Type	Socket P0 (LGA-3647 Socket)	
Chipset Support	Intel® Lewisburg C620 series PCH		
System Memory	<ul style="list-style-type: none"> • 6 x memory channels per CPU, 1 x DIMM per channel • 12 x DIMM slots support: 2933/2666/2400MHz • Intel® Optane™ DC Persistent Memory (Apache Pass) support 		
Front Panel	System power on/off, System reset, 2 x USB 3.0 Type A		
LEDs	Power status, System alert, LAN activity, Drive activity, System ID		
Drive Bays	Top-load	3.5" hot swap	60 (SATA/SAS)
	Rear panel	2.5" hot swap	6 NVMe + 2 SATA
	Internal	M.2	2 x M.2(NGFF)/M-Key/2280
Backplane	3 x 20-port 12G SAS backplanes with 28-PHY expander		
Expansion Slots	PCIe 3.0	<ul style="list-style-type: none"> • 2 x PCIe X16 slots (FHHL) • 3 x PCIe X8 slots (FHHL) 	

System BIOS	BIOS Type	Insyde UEFI BIOS	
	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • WOL • AC loss recovery • IPMI 2.0 KCS interface • SMBIOS • Serial console redirection 	<ul style="list-style-type: none"> • BIOS Boot Specification • BIOS Recovery Mode • SRIOV • iSCSI • TPM • PCIe Hotplug
On-board Devices	SATA	<ul style="list-style-type: none"> Intel® Lewisburg PCH on-chip solution • 8 x SATA 6.0 Gb/s (by 2 x mini-SAS) • 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin) • RAID 0, 1, 5, 10 support by Intel RSTe Broadcom SAS IOC SAS3008 supports up to 8 ports 12G SAS via 2 x mini-SAS HD (optional) 	
	IPMI	<ul style="list-style-type: none"> Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support • HTML5 • Redfish 	
	Network Controllers	<ul style="list-style-type: none"> • Intel® PCH (Lewisburg) Integrated 10GbE LAN Controller with dual SFP+ rear connectors • 2 x optional configurable ports support 10GbE (KR/SFI/XFI) or 1GbE (KX) by onboard header (optional by PCH C624 SKU) • Realtek RTL8201E 10/100 Mbps Ethernet for BMC dedicated management port 	
	Graphics	<ul style="list-style-type: none"> Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp 	

Top View



(Power supply and Server board are included.)

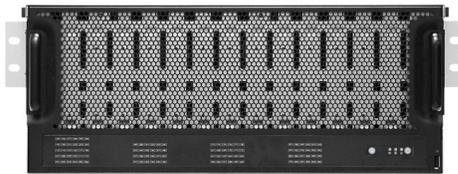
SB407-VG

Rear I/O	LAN	<ul style="list-style-type: none"> • 2 x 10GbE SFP+ • 1 x internal SFF-8612 (Oculink) supports dual-port: 10G KR/SFI/XFI or 1G KX (optional by PCH C624 SKU) • 1 x 10/100M RJ45 dedicated to BMC management
	USB	<ul style="list-style-type: none"> • 2 x USB3.0 double-stacked Type A connectors • 1 x USB internal pin-header to support 2 x USB3.0/USB2.0
	VGA	<ul style="list-style-type: none"> • 1 x external VGA port • 1 x internal VGA pin-header (share with external VGA port)
	Serial Port	<ul style="list-style-type: none"> • 1 x external DB-9 COM port • 2 x internal COM pin-headers
TPM Support	2.0 onboard	
Power Supply	Standard	1200W 2+2 redundant PSU PMBus 1.2 80+ Platinum
	Option(s)	<ul style="list-style-type: none"> • 800W 2+2 redundant • 1200W 1+1 redundant • 1600W 1+1 redundant

System Cooling	Middle : 4 x 60x38mm hot swap fans	
	Front : 3 x 120x38mm easy swap fans	
	Rear : 2 x 60x38mm easy swap fans	
System Management	<ul style="list-style-type: none"> • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support • HTML5 • Redfish 	
Environmental Specifications	<ul style="list-style-type: none"> • Storage temperature : -10°C(14°F) ~ 60°C(140°F) • Operating temperature : 0°C(32°F) ~ 35°C(95°F) • Storage operating humidity : 5%~95% non-condensing 	
Gross Weight	(w/ PSU & Rail)	kgs : 80
		lbs : 176
Packaging Dimensions	(W x D x H)	mm : 586 x 1110 x 400
		inches : 23 x 43.7 x 15.7
Mounting	Standard	43" tool-less slide rail
	Option	Cable Management Kit



Front View



Features

- 4U ultra-density storage server supports 102 hot swap 3.5" SAS drive bays
- Supports 2nd Gen. Intel® Xeon® Scalable processors (Cascade Lake Refresh/Cascade Lake/Skylake)
- With Intel® Lewisburg C620 series chipset to provide 5+ years product life cycle
- Flexible I/O usage with MAX I/O to support up to 1 PCIe 3.0 card
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- One PCIe 3.0 x16 OCP Mezzanine slot + two 10GbE SFP+ ports

Rear View

2000W 1+1 redundant power supply 80+ Platinum



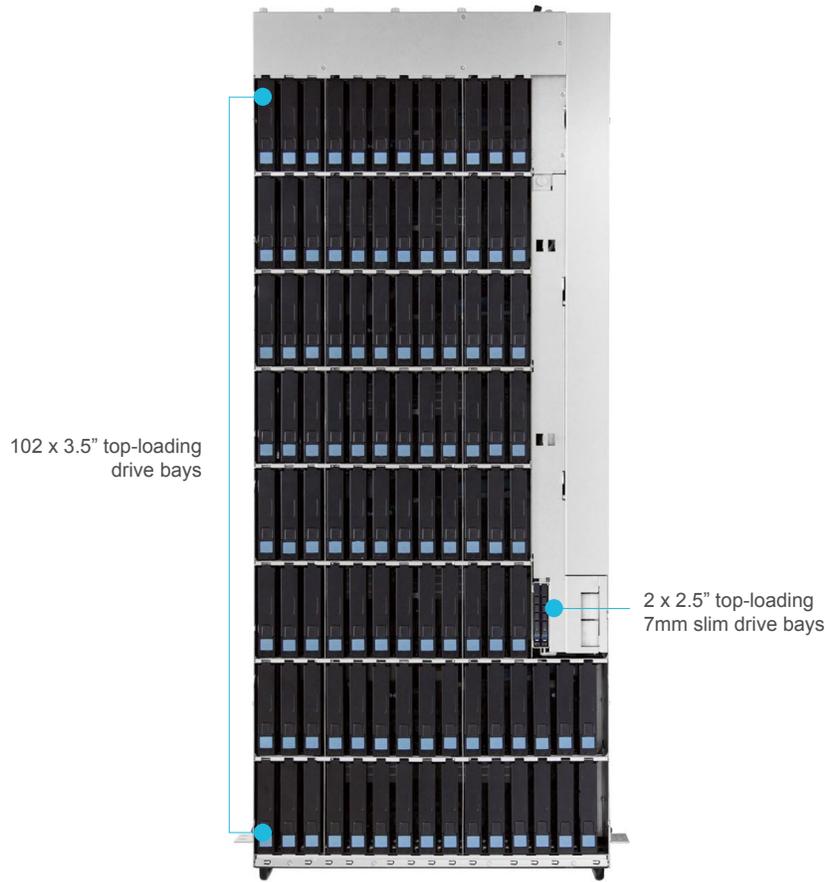
8 x 60x56mm hot swap fans

Specifications

Dimensions (W x D x H)	mm : 434 x 1050 x 176		
	inches : 17.1 x 41.3 x 7		
Motherboard	AIC Server Board Pavo		
Processor	Processor Support	<ul style="list-style-type: none"> • Intel® Xeon® Scalable Processors (Cascade Lake Refresh/Cascade Lake/Skylake) • Supports CPU TDP up to 125W <i>*Please contact AIC Technical Support for more info/details about optimized CPUs and specialized system.</i>	
	UPI Speeds	10.4 GT/s, 9.6 GT/s	
	Socket Type	Socket P0 (LGA-3647 Socket)	
Chipset Support	Intel® Lewisburg C620 series PCH		
System Memory	<ul style="list-style-type: none"> • 6 x memory channels per CPU, 2 channels with 2DPC + 4 channels with 1DPC • 16 x DIMM slots support: DDR4 2933/2666/2400MHz • Intel® Optane™ DC Persistent Memory (Apache Pass) support 		
Front Panel	System power on/off, System reset, 1 x USB 2.0 Type A		
LEDs	Power status, Drive activity, System ID		
Drive Bays	Internal	3.5" hot swap	102 (Top-Loading)
		2.5" hot swap	2 (7mm, Top-Loading)
Backplanes	<ul style="list-style-type: none"> • 3 x 24-port 12Gb SAS backplanes with 36-PHY expander and 2 x 8i SAS Slimline connectors • 1 x 30-port 12Gb SAS backplane with 40-PHY expander and 2 x 8i SAS Slimline connectors 		

Expansion Slots	PCIe 3.0	1 x16 for OCP Mezzanine V2.0 (Type 2:1 1 x QSFP or 2 x QSFP+) <i>*Please contact AIC Technical Support for more info/details about OCP card.</i>
	BIOS Type	Insyde UEFI BIOS
System BIOS	BIOS Features	<ul style="list-style-type: none"> • ACP • PXE • WOL • AC loss recovery • SMBIOS • Serial console redirection • BIOS Boot Specification • BIOS Recovery Mode • SRIOV • iSCSI • TPM • PCIe Hotplug
	SATA/SAS	Intel® Lewisburg PCH on-chip solution <ul style="list-style-type: none"> • 4 x SATA 6.0 Gb/s (by 1 x mini-SAS HD) • 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin) • 5 x SATA 6.0 Gb/s (by MAX I/O)
On-board Devices	BMC	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support • HTML5 • Redfish
	Network Controllers	<ul style="list-style-type: none"> • Intel® PCH (Lewisburg) Integrated 10GbE LAN controller with dual SFP+ rear connectors • Intel® I350 dual-port GbE RJ45 rear connectors • Realtek RTL8211E for BMC dedicated management port
	Graphics	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp

Top View



(Power supply and Server board are included.)

SB405-PV

Rear I/O	LAN	<ul style="list-style-type: none"> • 2 x 10GbE SFP+ • 2 x GbE RJ45 • 1 x GbE RJ45 dedicated to BMC management
	USB	2 x USB 3.0 Type A
	VGA	1 x external DB-15 VGA port
	Serial Port	1 x audio jack for COM port
TPM Support	2.0 onboard	
Power Supply	2000W 1+1 redundant power supply 80+ Platinum <ul style="list-style-type: none"> • AC INPUT : 200~240V,50/60Hz,15A • Socket type: C20 (Power cord type: C19) 	
System Cooling	<ul style="list-style-type: none"> • 3 x 40x56mm dual rotor fans (MB canister) • 8 x 60x56mm hot swap fans 	

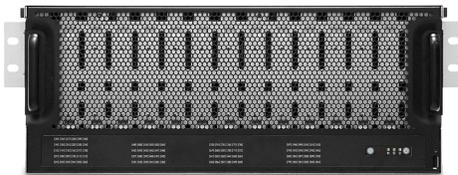
System Management	<ul style="list-style-type: none"> • IPMI 2.0 • KVM over IP • Media redirection • Temperature, fan, voltage, PSU sensor monitor • System temperature • System ID / System fail indicator 	<ul style="list-style-type: none"> • Remote power on/off/reset • SEL message alarm through mail • SNMP support • Intel NM • HTML5 • Redfish
	Environmental Specifications	
<ul style="list-style-type: none"> • Storage temperature : -10°C(14°F) ~ 60°C(140°F) • Operating temperature : 0°C(32°F) ~ 35°C(95°F) • Storage operating humidity : 5%~95% non-condensing 		
Gross Weight	(w/ PSU, Rail, Pallet)	kgs : 71
		lbs : 143.7
Packaging Dimensions	(W x D x H)	mm : 640 x 1380 x 526
		inches : 25.2 x 54.3 x 20.7
Mounting	Standard	41" tool-less slide rail
	Option	Cable Management Kit

Ordering Information

SKU Number	Description
XP1-S405PVXX	4U 102-bay, 12G EOB backplane, CRPS 2000W, Pavo motherboard, Intel® Xeon® Scalable Processors, DDR4 RDIMM x16, Intel PCH C622, 2x 10G SFP, MAX I/O x64, OCP MEZZ v2, 2x CPU heatsink, 41" slide rail, w/o bezel



Front View



Features

- 4U ultra-density storage server supports 102 hot swap 3.5" SAS drive bays
- Supports 2nd Gen. Intel® Xeon® Scalable processors (Cascade Lake Refresh/Cascade Lake/Skylake)
- Flexible I/O usage with MAX I/O to support up to 1 OCP x16 Mezzanine card V2.0
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions

Rear View

2000W 1+1 redundant power supply 80+ Platinum



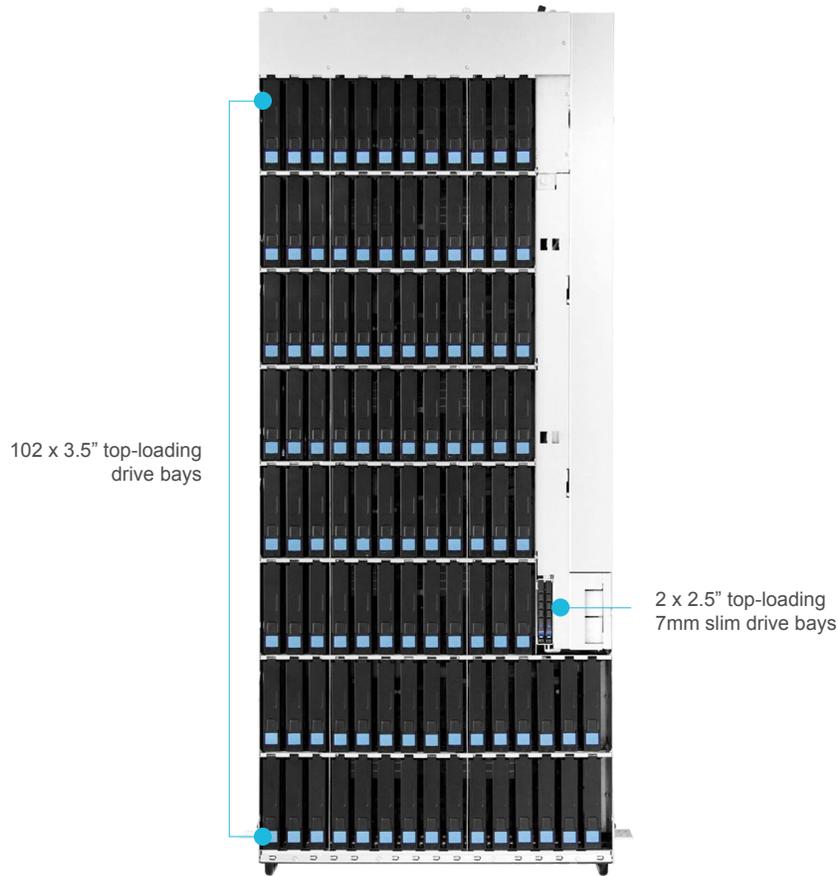
8 x 60x56mm hot swap fans

Specifications

Dimensions (W x D x H)	mm : 434 x 1050 x 176	
	inches : 17.1 x 41.3 x 7	
Motherboard	AIC Server Board Vela	
Processor	Processor Support	<ul style="list-style-type: none"> • Intel® Xeon® Scalable Processors (Cascade Lake Refresh/Cascade Lake/Skylake) • Support CPU TDP up to 150W <i>*Please contact AIC Technical Support for more info/details about optimized CPUs and specialized system.</i>
	UPI Speeds	10.4 GT/s, 9.6 GT/s
	Socket Type	Socket P0 (LGA-3647 Socket)
Chipset Support	Intel® Lewisburg C620 series PCH	
System Memory	<ul style="list-style-type: none"> • 6 x memory channels per CPU, 2 channels with 2DPC + 4 channels with 1DPC • 16 x DIMM slots support: DDR4 2933/2666/2400MHz RDIMM/LRDIMM • Intel® Optane™ DC Persistent Memory (Apache Pass) support 	
Front Panel	System power on/off, System reset, 1 x USB 2.0 Type A	
LEDs	Power status, Drive activity, System ID	
Drive Bays	Internal	3.5" hot swap 102 (Top-Loading)
		2.5" hot swap 2 (7mm, Top-Loading)
		M.2 2 x M.2(NGFF) / M-Key / 2280 / Supports SATA or PCIe x2
Backplanes	<ul style="list-style-type: none"> • 3 x 24-port 12Gb SAS backplanes with 36-PHY expander and 2 x 8i SAS slimline connectors • 1 x 30-port 12Gb SAS backplane with 40-PHY expander and 2 x 8i SAS Slimline connectors 	

Expansion Slots	PCIe 3.0	<ul style="list-style-type: none"> • 2 x PCIe Gen3 slots • 1 x OCP Mezz. V2.0 supports PCIe Gen3 x16 • 1 x high-density connector supports 16 + 8 lanes of PCIe Gen3 <i>*Please contact AIC Technical Support for more info/details about PCIe card and OCP card supporting.</i>
		System BIOS
On-board Devices	SATA	<p>Intel® Lewisburg PCH on-chip solution</p> <ul style="list-style-type: none"> • 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin) • 8 x SATA 6.0 Gb/s by edge slot for extension • RAID 0, 1, 5, 10 support by Intel RSTe
	BMC	<p>Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor</p> <ul style="list-style-type: none"> • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support • HTML5 • Redfish
	Network Controllers	<ul style="list-style-type: none"> • Via OCP Mezzanine card/PCIe slots extension • Realtek RTL8211E GbE Ethernet for BMC dedicated management port
	Graphics	<p>Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor</p> <ul style="list-style-type: none"> • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp

Top View



(Power supply and Server board are included.)

SB405-VL

Rear I/O	LAN	1 x GbE RJ45 dedicated to BMC management
	USB	2 x USB 3.0 Type A connectors
	VGA	1 x external VGA port
	Serial Port	1 x external COM port by 3.5mm phone jack
TPM Support	2.0 onboard	
Power Supply	2000W 1+1 redundant power supply 80+ Platinum • AC Input 200-240V, 50/60Hz, 15A • Socket type: C20 (Power cord type: C19)	
System Cooling	• 3 x 40x56mm dual rotor fans (MB canister) • 8 x 60x56mm hot swap fans	

System Management	<ul style="list-style-type: none"> • IPMI 2.0 • KVM over IP • Media redirection • Temperature, fan, voltage, PSU sensor monitor • System temperature • System ID / System fail indicator 	<ul style="list-style-type: none"> • Remote power on/off/reset • SEL message alarm through mail • SNMP support • Intel NM • HTML5 • Redfish
Environmental Specifications	<ul style="list-style-type: none"> • Storage temperature : -10°C(14°F) ~ 60°C(140°F) • Operating temperature : 0°C(32°F) ~ 35°C(95°F) • Storage operating humidity : 5%~95% non-condensing 	
Gross Weight	(w/ PSU, Rail, Pallet)	kgs : 71 lbs : 143.7
Packaging Dimensions	(W x D x H)	mm : 643 x 1350 x 416 inches : 25.3 x 53.1 x 16.4
Mounting	Standard	41" tool-less slide rail
	Option	Cable Management Kit

Ordering Information

SKU Number	Description
XP1-S405VLXX	4U 102-bay, 12G EOB backplane, CRPS 2000W, Vela motherboard, Intel® Xeon® Scalable Processors, DDR4 RDIMM x16, Intel PCH C620 series, 2x PCIe x16 expansion slot, OCP MEZZ v2, 2x CPU heatsink, 41" slide rail, pallet, w/o bezel



Front View

24 x 2.5" hot swap drive bays



Features

- 2U storage server supports 24 hot swap 2.5" NVMe SSDs drive bays
- Supports 2nd Gen. Intel® Xeon® Scalable processors (Cascade Lake Refresh/Cascade Lake/Skylake)
- With Intel® C620 series chipset to provide 5+ years product life cycle
- Flexible I/O usage with MAX I/O to support 4 x PCIe Gen3 x16 slot (or optional OCP Mezzanine card by BTO)
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions

Rear View

2 x USB 3.0 + RJ45 (Dedicated NIC for BMC)

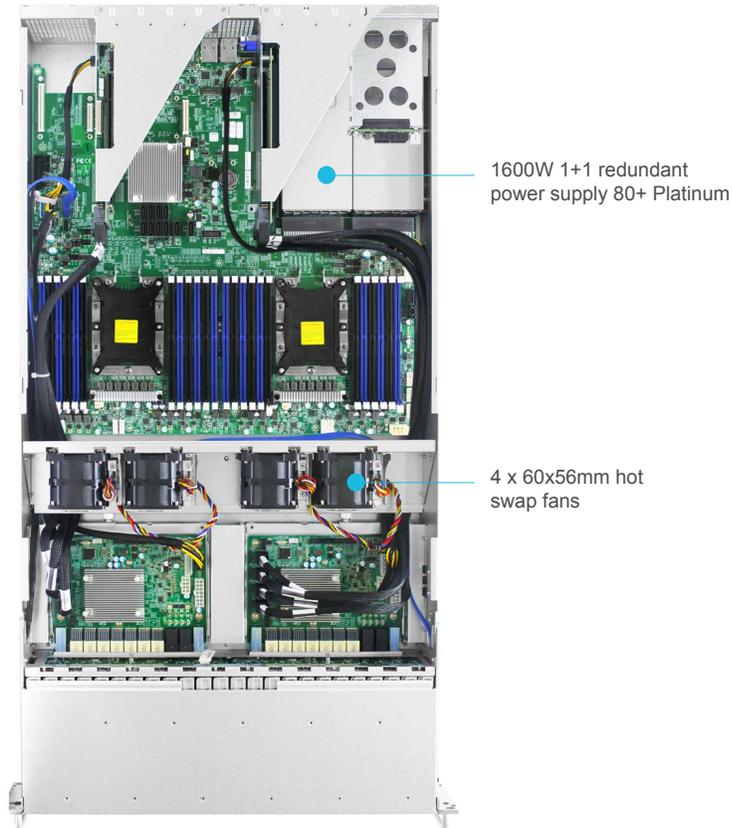


Specifications

Dimensions (W x D x H)	mm : 438 x 800 x 88		
	inches : 17.2 x 31.5 x 3.5		
Motherboard	AIC Server Board Lynx		
Processor	Processor Support	<ul style="list-style-type: none"> • Intel® Xeon® Scalable Processors (Cascade Lake Refresh/Cascade Lake/Skylake) • Supports CPU TDP up to 205W <i>*Please contact AIC Technical Support for more info/details about optimized CPUs and specialized system.</i>	
	UPI Speeds	10.4 GT/s, 9.6 GT/s	
	Socket Type	Socket P0 (LGA-3647 Socket)	
Chipset Support	Intel® Lewisburg C620 series PCH		
System Memory	<ul style="list-style-type: none"> • 6 x memory channels per CPU, 2 x DIMM per channel • 24 x DIMM slots support: DDR4 2933/2666/2400MHz • Intel® Optane™ DC Persistent Memory (Apache Pass) support 		
Front Panel	System power on/off, System ID, System reset, 1x USB 3.0 Type A		
LEDs	Power status, System alert, LAN activity, Drive activity, System ID		
Drive Bays	External	2.5" hot swap	24 (U.2 NVMe) 2 (15mm, rear)
	Internal	M.2	2 x M.2(NGFF) / M-Key / 2280 / Supports SATA or PCIe x2
Backplanes	2 x dual Broadcom/LSI PEX9765 PCIe switch backplanes		
Expansion Slots	PCIe 3.0	<ul style="list-style-type: none"> • 2 x16 slots (FH) • 2 x16 slots (LP) + 2 x OCP Mezzanine card V2.0 (BTO) <i>*Please contact AIC Technical Support for more info/details about PCIe card.</i>	

Riser Card (included)	RC-PE2U09-TY	2 x16 PCIe slots
System BIOS	BIOS Type	<ul style="list-style-type: none"> • Insyde UEFI BIOS • SPI (Serial Peripheral Interface) FLASH Interface
	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • WOL • AC loss recovery • IPMI KCS interface • SMBIOS • Serial console redirection • BIOS Boot Specification • BIOS Recovery Mode • SRIOV • iSCSI • TPM • PCIe Hotplug
On-board Devices	SATA	Intel® Lewisburg PCH on-chip solution <ul style="list-style-type: none"> • 10 x SATA 6.0 Gb/s • RAID 0, 1, 5, 10 support by Intel RSTe
	BMC	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support • HTML5 • Redfish
	Network Controllers	<ul style="list-style-type: none"> • Two Intel® I210 Ethernet Controller support dual-port GbE RJ45 connectors • Networking options provided via OCP Mezzanine extension • Realtek RTL8201E 10/100Mbps Ethernet PHY for BMC dedicated management port
	Graphics	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp

Top View



(Power supply and Server board are included.)

FB201-LX

Rear I/O	LAN	<ul style="list-style-type: none"> • 2 x GbE RJ45 • 1 x 10/100M RJ45 dedicated to BMC management
	USB	2 x USB 3.0 Type A
	VGA	1 x external DB-15 VGA port
	Serial Port	1 x micro USB
TPM Support	2.0 onboard	
Power Supply	1600W 1+1 redundant power supply 80+ Platinum • AC INPUT : 200~240V,50/60Hz,12A (except China/Taiwan) • AC INPUT : 200~240V,50/60Hz,10A (for China/Taiwan)	
System Cooling	4 x 60x56mm hot swap fans	

System Management	<ul style="list-style-type: none"> • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support 	
Environmental Specifications	<ul style="list-style-type: none"> • Storage temperature : -10°C(14°F) ~ 60°C(140°F) • Operating temperature : 0°C(32°F) ~ 35°C(95°F) • Storage operating humidity : 5%~95% non-condensing 	
Gross Weight	(w/ PSU & Rail)	kgs : 30.5
		lbs : 67.24
Packaging Dimensions	(W x D x H)	mm : 600 x 1060 x 320
		inches : 23.4 x 41.3 x 12.5
Mounting	Standard	28" tool-less slide rail

Ordering Information

SKU Number	Description
XP1-F201LXXX	2U-24 bay storage server supports 24x U.2 NVMe drives, 2x dual Broadcom/LSI PEX9765 PCIe switch backplanes, Lynx motherboard, Intel® Xeon® Scalable Processors, DDR4 2666 RDIMM x24, Intel PCH C620, MAX I/O 4x PCIe Gen3 x16, 1600W redundant power supply, 28" slide rail, w/o bezel



Front View

3 x 4056mm hot swap, dual-rotor fans



Features

- 1U FIPS/NEBS compliant network appliance
- Supports one Intel® Xeon® Processor E3-1200 v5/v6 Product Family
- With Intel® C236 chipset to provide 5+ years product life cycle
- Flexible I/O design with MAX I/O technology to support up to 2 COTS PCIe 3.0 add-in cards in a 20" depth 1U
- Two server class GbE ports
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions

Rear View

2 x PCIe 3.0 x8 slots



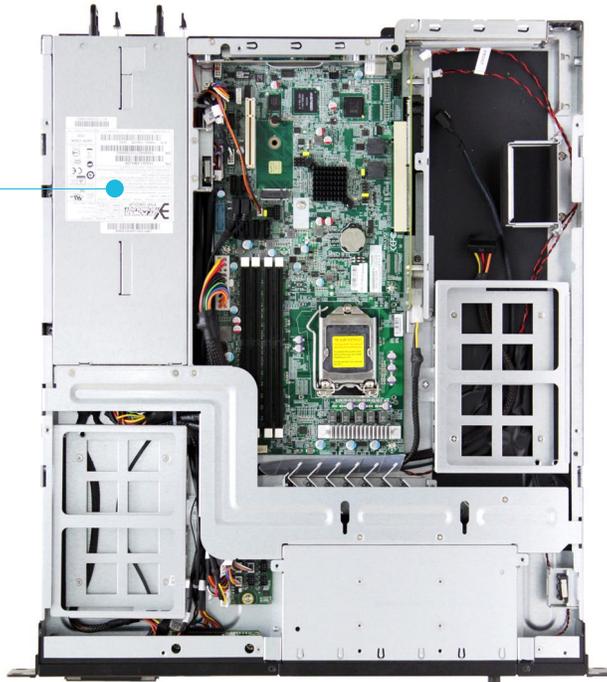
Specifications

Dimensions (W x D x H)	mm : 432.8 x 541.8 x 44.4		
	inches : 17 x 21.3 x 1.75		
Motherboard	AIC Server Board Antlia		
Processor	Processor Support	<ul style="list-style-type: none"> • One Intel® Xeon® Processor E3-1200 v5/v6 Product Family • Supports CPU TDP up to 80W <i>*Please contact AIC Technical Support for more info/details about optimized CPUs and specialized system.</i>	
	Socket Type	Socket H3 (FCLGA1151)	
Chipset Support	<ul style="list-style-type: none"> • Intel® C236 PCH • Intel® i350-AM2 		
System Memory	<ul style="list-style-type: none"> • 4 x DIMM slots support DDR4 2400/2133MHz ECC UDIMM • Up to 64GB capacity 		
Front Panel	<ul style="list-style-type: none"> • System power on/off • System ID • System reset • NMI • USB 2.0 Type A 		
LEDs	<ul style="list-style-type: none"> • Power status • System management alert • Drive activity • Network activity • System ID 		
Drive Bays	Internal	3.5"/2.5"	2
Expansion Slots	PCIe 3.0	<ul style="list-style-type: none"> • 1 x8 slot (LP) • 1 x8 slot (x4 mode) 	
Riser Card (included)	RC-PE1U03	2 x8 PCIe slots	

System BIOS	BIOS Type	Insyde BIOS code @ 16MB Flash EEPROM
	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • WOL • AC loss recovery • IPMI KCS interface • SMBIOS • Serial console redirection • BIOS Boot Specification • BIOS Recovery Mode
On-board Devices	SATA	<ul style="list-style-type: none"> • Built-in SATA RAID controller on Intel® C236 PCH • 8 x SATA3 ports + 1 x M.2 • RAID 0, 1, 5, 10 support by Intel RSTe
	IPMI	<ul style="list-style-type: none"> • Aspeed AST2400 Advanced PCIe Graphics & Remote Management Processor • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN
	Network Controller	<ul style="list-style-type: none"> • Intel® Ethernet Controller I350-AM2 dual-port GbE PCIe v2.0 (5.0GT/s) • Optional: Intel® Ethernet Controller I350-AM24 quad-port GbE PCIe v2.0 (5.0GT/s) (2 rear I/O RJ45 + 2 onboard pin-headers) • Realtek RTL8201EL for BMC dedicated management port.
	Graphics	<ul style="list-style-type: none"> • Aspeed AST2400 Advanced PCIe Graphics & Remote Management Processor • 2D Video Graphic Adapter with PCIe bus interface • 1920x1200@60Hz 32bpp

Top View

300W 1+1 redundant power supply 80+ Silver



(Power supply and Server board are included.)

Rear I/O	LAN	<ul style="list-style-type: none"> • 2 x GbE RJ45 • 1 x 10/100M RJ45 dedicated to BMC management
	USB	2 x USB 3.0 Type A
	VGA	1 x external DB-15 VGA port
	Serial Port	1 x external DB-9 COM port
Power Supply	300W 1+1 redundant power supply 80+ Silver • AC INPUT : 100~240V,50-60Hz,5-3A • DC 36~72V input power module available (BTO)	
System Cooling	3 x 40x56mm hot swap fans	
System Management	<ul style="list-style-type: none"> • IPMI 2.0 • KVM over IP • Media redirection • KCS (Keyboard Controller Style), IOL (IPMI Over LAN) • SOL (Serial Over LAN) interface • Temp, voltage and fan speed monitoring 	<ul style="list-style-type: none"> • CPU temperature (PECI) • System temperature • Fan speed detection • Smart fan speed control • System ID / System fail indicator • SMASH support • Remote power on/off/reset

Environmental Specifications	<ul style="list-style-type: none"> • Storage temperature : -10°C(14°F) ~ 60°C(140°F) • Operating temperature : 0°C(32°F) ~ 35°C(95°F) • Storage operating humidity : 5%~95% non-condensing 	
Gross Weight	(w/ PSU & Rail)	kgs : 22
		lbs : 48.5
Packaging Dimensions	(W x D x H)	mm : 590 x 850 x 343
		inches : 23.2 x 33.5 x 13.5
Mounting	Standard	20" fixed rail

TB116-AN

Ordering Information

SKU Number	Description
XP1-T116ANXX	1U FIPS/NEBS compliant network appliance, 300W redundant power supply, Antlia motherboard supports 1x Intel® Xeon® Processor E3-1200 v5 & v6 CPU/ DDR4 ECC UDIMM x4, MAX I/O technology support up to 2 COTS, Intel I350 GbE rear x2, Internal GbEx 2, RTX riser card, 20" fixed rail, w/o bezel



Front View

3 x 4056mm hot swap, dual-rotor fans



Features

- 1U FIPS/NEBS compliant network appliance
- Supports one Intel® Xeon® Processor E-2300 (Rocket Lake) Product Family
- With Intel® C256 chipset to provide 5+ years product life cycle
- Flexible I/O design with MAX I/O technology to support 2x PCIe 4.0 add-in cards in short depth 1U
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions

Rear View

2 x PCIe 3.0 x8 slots



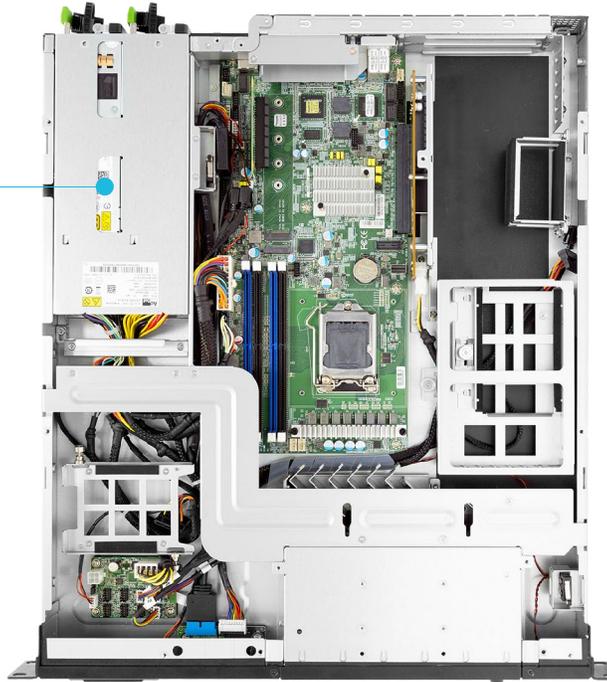
Specifications

Dimensions (W x D x H)	mm : 432.8 x 541.8 x 44.4		
	inches : 17 x 21.3 x 1.75		
Motherboard	AIC Server Board Delphinus		
Processor	Processor Support	<ul style="list-style-type: none"> • One Intel® Xeon® Processor E-2300 (Rocket Lake) Product Family • Supports CPU TDP up to 95W <i>*Please contact AIC Technical Support for more info/details about optimized CPUs and specialized system.</i>	
	Socket Type	Socket H5 (LGA 1200)	
Chipset Support	Intel® C256 PCH		
System Memory	2 channels DDR4 / 2 DPC UDIMM ECC Up to 3200 MT/s Total 4 memory slots; up to 128GB		
Front Panel	<ul style="list-style-type: none"> • System power on/off • System ID • System reset • NMI • USB 2.0 Type A 		
LEDs	<ul style="list-style-type: none"> • Power status • System management alert • Drive activity • Network activity • System ID 		
Drive Bays	Internal	3.5	1
		2.5"	2 (1 x shared with 3.5")
		M.2	2 x M.2(NGFF)/M-Key/22110
Expansion Slots	PCIe 3.0	<ul style="list-style-type: none"> • 2 x PCIe Gen4 x8 slots • 1 x PCIe Gen3 x8 slot (with x4 link) 	
Riser Card (included)	RC-PE1U35-TY	2 x PCIe x8 slots	

System BIOS	BIOS Type	AMI UEFI BIOS
	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • WOL • AC loss recovery • IPMI KCS interface • SMBIOS • Serial console redirection • BIOS Boot Specification • BIOS Recovery Mode
On-board Devices	SATA	<ul style="list-style-type: none"> • 6x SATA 6G ports (4x in miniSAS HD + 2x 7pin + 2x M.2)
	IPMI	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN
	Network Controller	<ul style="list-style-type: none"> • Intel® I350 AM4/AM2 co-design to support 2/4 x GbE (SKU option) • Realtek RTL8211EL for BMC dedicated management port
	Graphics	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> • 2D Video Graphic Adapter with PCIe bus interface • 1920x1200@60Hz 32bpp

Top View

300W 1+1 redundant power supply 80+ Gold

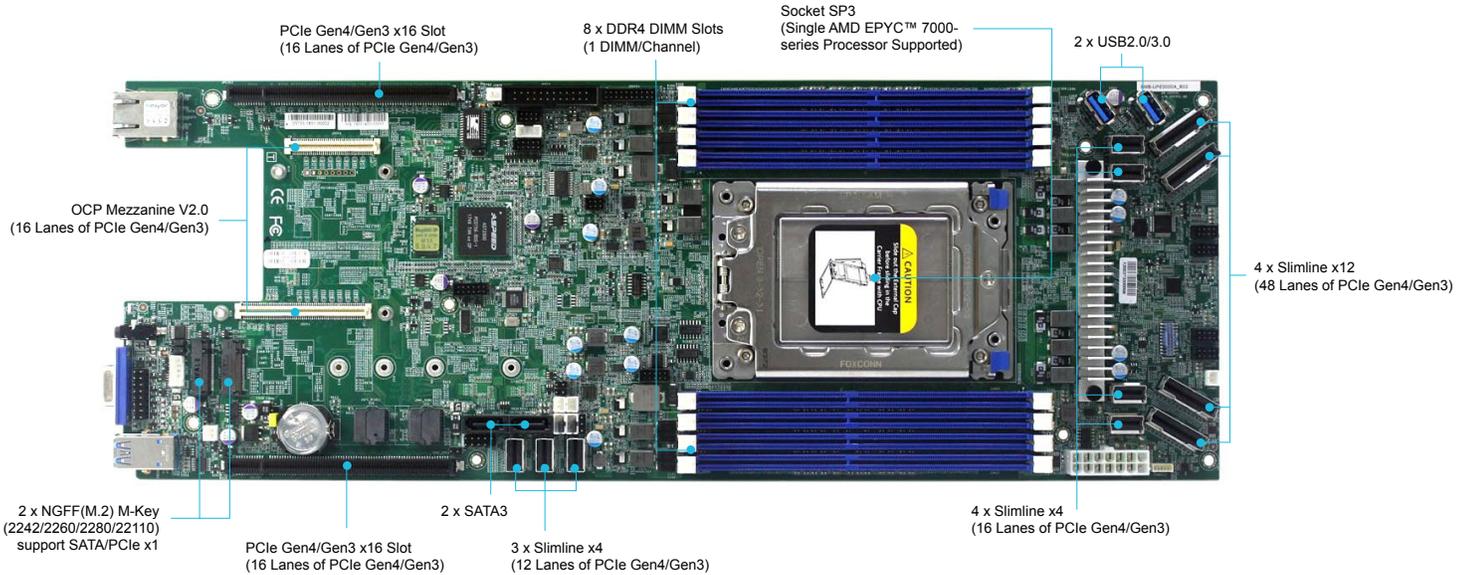


(Power supply and Server board are included.)

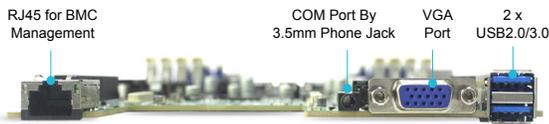
Rear I/O	LAN	3 x GbE RJ45
	USB	2 x USB 3.0 Type A
	Graphic	Mini-display port (enabled with specified CPU)
	Serial Port	1 x COM by 3.5mm audio jack
Power Supply	300W 1+1 redundant power supply 80+ Gold • AC INPUT : 100~240V,50-60Hz,5-3A • DC 36~72V input power module available (BTO)	
System Cooling	3 x 40x56mm hot swap fans	
System Management	<ul style="list-style-type: none"> • IPMI 2.0 • KVM over IP • Media redirection • KCS (Keyboard Controller Style), IOL (IPMI Over LAN) • SOL (Serial Over LAN) interface • Temp, voltage and fan speed monitoring 	<ul style="list-style-type: none"> • CPU temperature (PECI) • System temperature • Fan speed detection • Smart fan speed control • System ID / System fail indicator • SMASH support • Remote power on/off/reset

Environmental Specifications	<ul style="list-style-type: none"> • Storage temperature : -10°C(14°F) ~ 60°C(140°F) • Operating temperature : 0°C(32°F) ~ 35°C(95°F) • Storage operating humidity : 5%~95% non-condensing 	
Gross Weight	(w/ PSU & Rail)	kgs : 22
		lbs : 48.5
Packaging Dimensions	(W x D x H)	mm : 590 x 850 x 343
		inches : 23.2 x 33.5 x 13.5
Mounting	Standard	20" fixed rail

TB116-DL



I/O View



Dimensions

mm : 431.8 x 157.4 / inches : 17 x 6.196

The Auriga server board offers the latest AMD EPYC™ SoC technology which can support the highest core count in an x86-architecture with EPYC™ 7003/7002/7001 processor, more main memory capacity and bandwidth with greater efficiency and greatest I/O density.

Auriga has I/O bandwidth that matches the capability of the CPU cores to move data to and from the network, spinning disks, NVMe storage, and graphics acceleration devices. By offering the parallelism to speed high performance computing environments, machine learning and predictive analysis benefit from the capability to process more data in memory and to accelerate computation with more direct GPU connectivity.

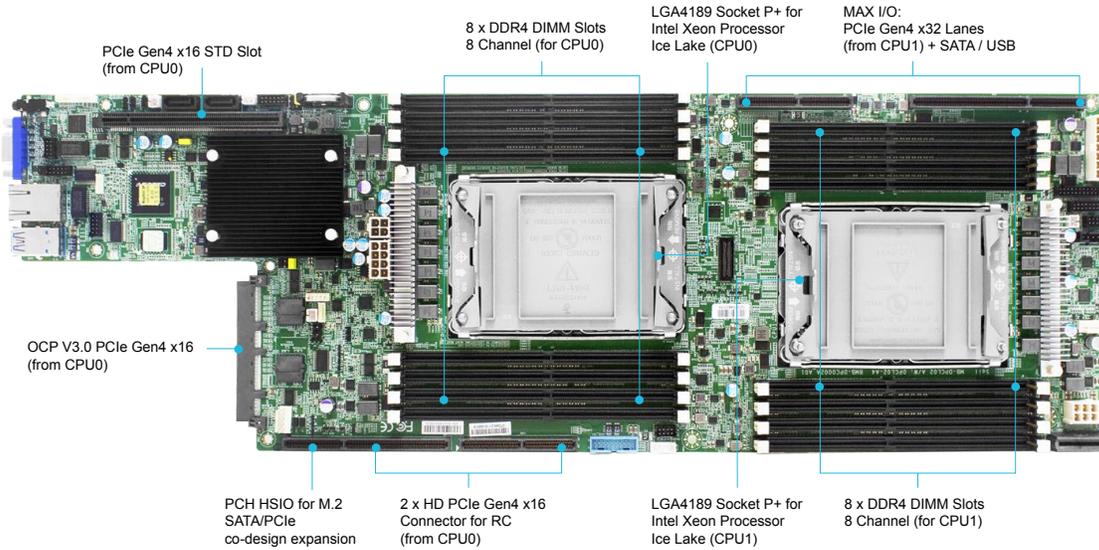
Features

- Supports AMD EPYC™ 7003/7002/7001 processor based on the AMD "Zen" microarchitecture for highest server performance
- Supports eight DDR4 DIMM slots for maximum memory performance
- Supports one OCP Mezzanine V2.0 up to PCI Express Gen4/Gen3 x16 extension (Gen4 supported by EPYC™ 7003/7002 CPU)
- Supports two PCI Express Gen4/Gen3 x16 slots (Gen4 supported by EPYC™ 7003/7002 CPU)
- Supports four slimline x12 + seven slimline x4 connectors, total 76 PCI Express Gen4/Gen3 lanes (Gen4 supported by EPYC™ 7003/7002 CPU)
- Onboard Baseboard Management Controller for system management and IPMI control
- Embedded components for 5+ year long life
- Rackmount Technology Extension (RTX) form factor utilizes full internal chassis volume for optimum I/O configurations

Specifications

System	Processor Support	Single AMD EPYC™ 7003/7002/7001 processor
	CPU TDP	280W (support by EPYC™ 7003 CPU)
	Socket Type	Socket SP3
	System Memory	<ul style="list-style-type: none"> • DDR4 3200/2933/2666MHz RDIMM/LRDIMM • Total 8 memory slots ; 8 channels • Supports up to 2TB (support by EPYC™ 7003/7002 CPU)
Expansion Slots	<ul style="list-style-type: none"> • 4 x Slimline x12 + 7 x Slimline x4 • 2 x PCI Express Gen4/Gen3 x16 slots (Gen4 supported by EPYC™ 7003/7002 CPU) • 1 x OCP Mezzanine V2.0 supports PCI Express Gen4/Gen3 x16 (Gen4 supported by EPYC™ 7003/7002 CPU) • Total support 124 lanes of PCI Express Gen4/Gen3 (Gen4 supported by EPYC™ 7003/7002 CPU) • 2 x NGFF(M.2) M-Key(2242/2260/2280/22110) support SATA/PCIe x1 	
System BIOS	BIOS Type	EPYC 7003/7002/7001 – UEFI BIOS
	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • IPMI KCS interface • SMBIOS • SRIOV • Serial console redirection • iSCSI • TPM • PCIe Hotplug
On-board Devices	SATA/NVMe	<ul style="list-style-type: none"> • 2 x SATA 6.0 Gb/s • 2 x SATA 6.0 Gb/s by M.2 (M-key) support up to 22110 (optional - above 4 SATA ports can be replaced with 2 x PCIe x1 M.2)

On-board Devices	BMC	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • HTML5 • Redfish • SMASH Support
	Graphics	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp
Input/Output	SATA/NVMe	<ul style="list-style-type: none"> • 2 x SATA 6.0 Gb/s • 2 x SATA 6.0 Gb/s by M.2 (M-key) supports up to 22110 (optional - above 4 SATA ports can be replaced with 2 x PCIe x1 M.2)
	LAN	<ul style="list-style-type: none"> • 1 x GbE RJ45 dedicated to BMC management
	USB	<ul style="list-style-type: none"> • 2 x USB2.0/3.0 Type A connectors on rear I/O • 2 x USB2.0/3.0 by onboard vertical Type A connectors
	VGA	<ul style="list-style-type: none"> • 1 x external VGA port • 1 x internal VGA pin-header (share with external VGA port)
	Serial Port	<ul style="list-style-type: none"> • 1 x external COM port by 3.5mm phone jack • 1 x internal COM pin-header
	Others	<ul style="list-style-type: none"> • 1 x TPM 2.0 onboard



I/O View



Dimensions

mm : 530 x 172.7 / inches : 21 x 6.8

The Sail server board offers the latest Xeon® Scalable Processors technology solutions with compelling performance and provides premium power efficiency, which is optimized for efficient performance platforms (storage, security and communications infrastructure)

By implementing Intel® Xeon® Scalable Processors, fully integrated microarchitecture supports up to 3 x 16 lanes of PCIe Gen4 with specific RC by only one CPU (CPU0) installation at 1U height, providing eight channels per CPU with total sixteen DIMM slots deployment which can support up to DDR4 3200/2933MHz, Sail server board can meet both cost efficiency and performance requirement for lots of applications.

Featured with ground breaking technologies including Intel® Next Generation Microarchitecture and Instruction Set (AVX-512, VMD), Speed Shift Technology, UPI link speeds up to 11.2GT/s, the Sail server board enables next generation server solutions with an incredible leap in performance.

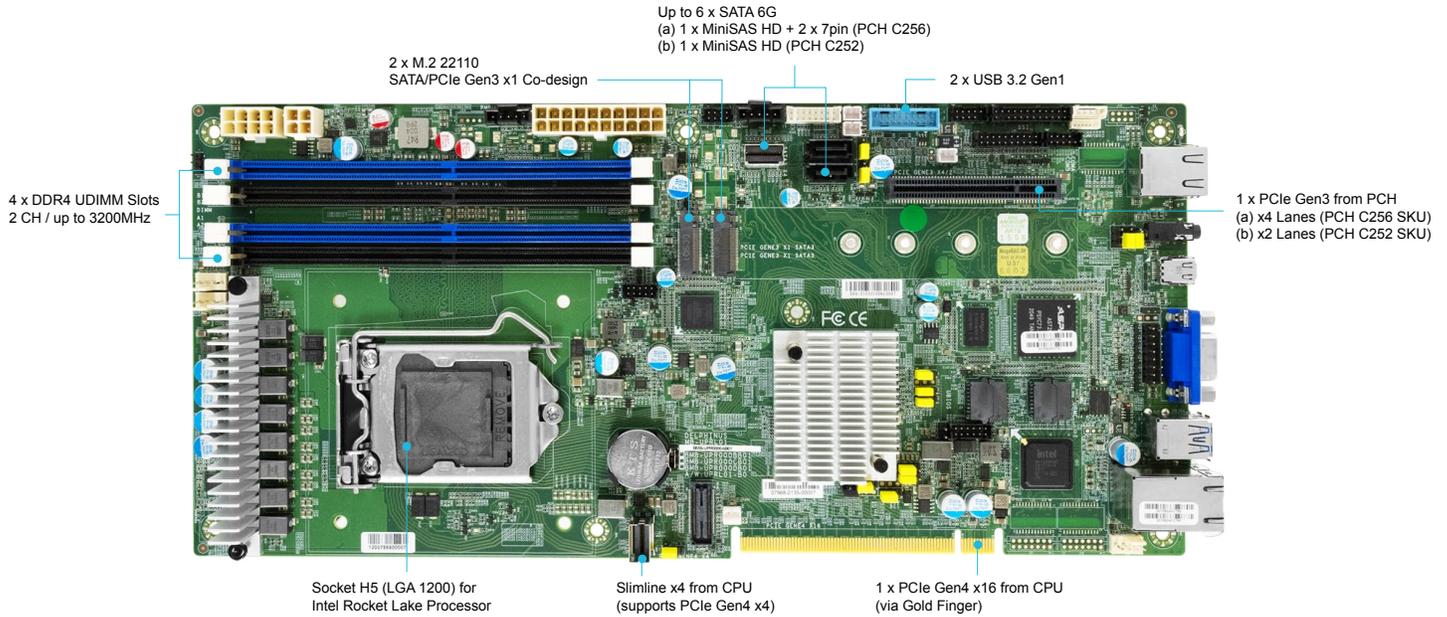
Features

- Supports 3rd Gen Intel® Xeon® Scalable Processors for highest server performance and improved power efficiency
- Supports 16 DDR4 DIMM slots for maximum memory performance
- Supports up to 3 x 16 lanes of PCIe Gen4 with specific RC by only one CPU (CPU0) installation at 1U height
- Onboard Baseboard Management Controller for system management and IPMI control
- Embedded components for 5+ year long life
- Rackmount Technology Extension (RTX) form factor utilizes full internal chassis volume for optimum I/O configurations

Specifications

System	Processor Support	3rd Gen Intel® Xeon® Scalable Processors (Ice lake CPU)
	UPI Speeds	10.4 / 11.2 GT/s
	Socket Type	Socket P+ (LGA-4189)
	System Memory	<ul style="list-style-type: none"> • 8 x memory channels per CPU(1DPC) • 16 x DIMM slots support: DDR4 3200/2933MHz RDIMM/LRDIMM - up to 512GB RDIMM SRx4 (16Gb) - up to 1024GB RDIMM DRx4 (16Gb) - up to 4096GB RDIMM 3DS 8Rx4 (16Gb) - up to 2048GB LRDIMM QRx4 (16Gb) - up to 4096GB LRDIMM 3DS 8Rx4 (16Gb) • Intel® Optane™ DC Persistent Memory (Barlow Pass) support
Expansion Slots	<ul style="list-style-type: none"> • CPU0: 1 x PCIe Gen4 x16 slot + 1 x OCP V3.0 + 2 x Gen4 x16 by High-Density Conn. • CPU1: PCIe Gen4 total 32 lanes @ MAX I/O 	
System BIOS	BIOS Type	AMI UEFI BIOS
	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • AC loss recovery • IPMI KCS interface • SMBIOS • Serial console redirection • SRIOV • TPM • PCIe Hotplug
On-board Devices	SATA/PCIe	Intel® Lewisburg PCH C621A on-chip solution <ul style="list-style-type: none"> • 2 x SATA/PCIe Gen3 x2 co-design from PCH HSIO by High-Density Conn. • 2 x SATA 6.0 Gb/s (by 7pin SATA Conn.) • 8 x SATA 6.0 Gb/s (by MAX I/O)
	BMC	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support • HTML5 • Redfish

On-board Devices	Network Controller	<ul style="list-style-type: none"> • Intel I210-AT for BMC. Share NIC management port by onboard connector • Realtek RTL8211E GbE Ethernet for BMC dedicated management port
	Graphics	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp
Input/Output	SATA/PCIe	12 x SATA 6.0 Gb/s ports <ul style="list-style-type: none"> • 2 x SATA 6.0 Gb/s • 8 x SATA 6.0 Gb/s by MAX I/O • 2 x SATA/PCIe 6.0 Gb/s by High-Density Conn. for extension
	LAN	<ul style="list-style-type: none"> • 1 x GbE RJ45 dedicated to BMC management • 1 x GbE by onboard pin header
	USB	<ul style="list-style-type: none"> • 2 x USB 3.0 Type A connectors • 2 x USB pin headers support USB3.0/2.0
	VGA	<ul style="list-style-type: none"> • 1 x external VGA port
	Serial Port	<ul style="list-style-type: none"> • 1 x external COM port by Audio Jack • 1 x internal COM2 pin-header • 1 x internal COM1 box header share with rear IO (Audio Jack)
	Others	<ul style="list-style-type: none"> • 1 x TPM 2.0 onboard



I/O View



Dimensions

mm : 332 x 153.86 / inches : 13 x 6

The Delphinus server board offers the latest Xeon® E-2300 Processors technology solutions with compelling performance and provides premium power efficiency, which is optimized for efficient performance platforms (storage, security and communications infrastructure)

By implementing Intel® Xeon® E-2300 Processors, fully integrated microarchitecture supports up to 3 x 16 lanes of PCIe Gen4 with specific RC by only one CPU (CPU0) installation at 1U height, providing two channels per CPU with total four ECC DIMM slots deployment which can support up to DDR4 3200/2933MHz, Delphinus server board can meet both cost efficiency and performance requirement for lots of applications.

Featured with ground breaking technologies including Intel® Next Generation Microarchitecture and Instruction Set (AVX-512, VMD), Speed Shift Technology, the Delphinus server board enable next generation server solutions with an incredible leap in performance.

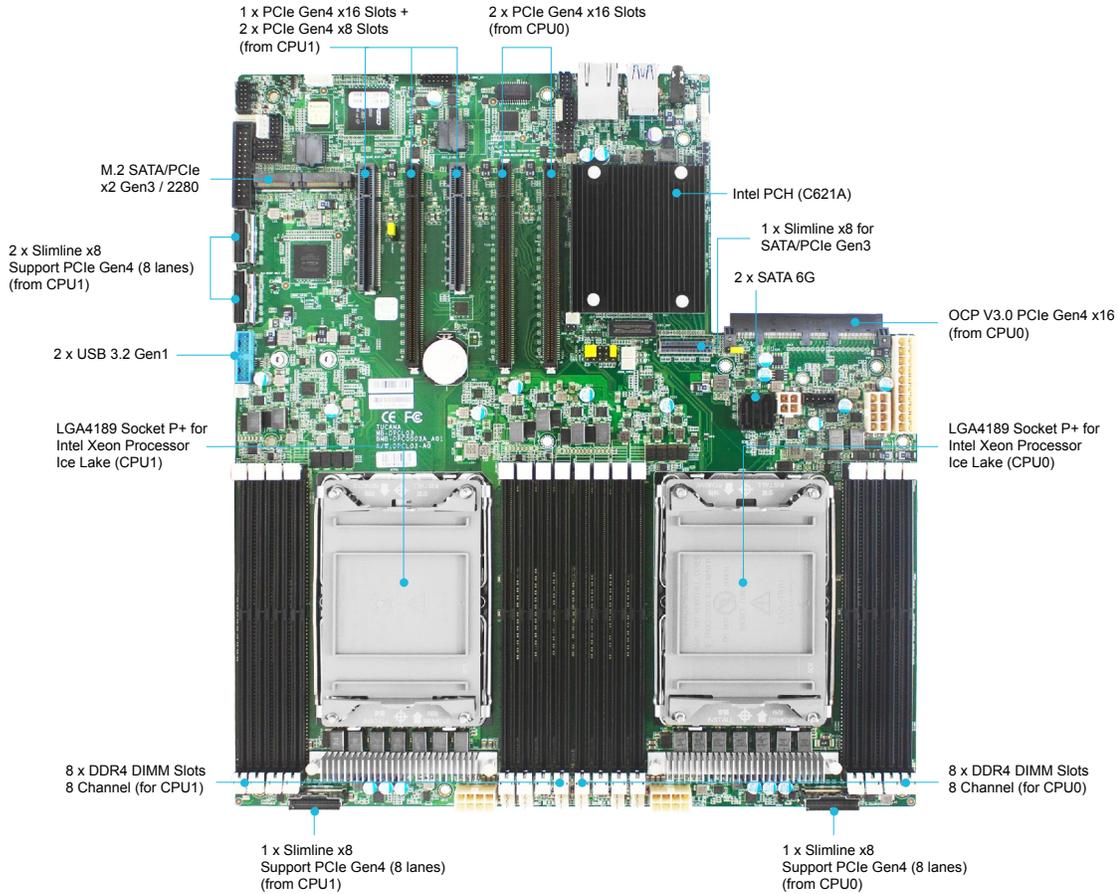
Features

- Supports Intel® Xeon® E-2300 Processors Product Family and Pentium Rocket Lake Processors
- Flexible I/O usage with MAX I/O to support an optimal number of PCIe devices utilizing 16 lanes of PCIe Gen4 and Slimline x4
- Comes with a server-grade Intel® Ethernet Controller I350 to support up to 4GbE ports (2 x rear I/O RJ45 & 2x onboard headers)
- Onboard Baseboard Management Controller for system management and IPMI control
- Rackmount Technology Extension (RTX) form factor utilizes full internal chassis volume for optimum I/O configurations

Specifications

System	Processor Support	Intel® Rocket Lake-E (Xeon E-2300)
	CPU TDP	95W
	Socket Type	Socket H5 (LGA 1200)
	System Memory	<ul style="list-style-type: none"> • 4 x DIMM slots support: DDR4 3200MHz ECC UDIMM • Total 4 memory slots; 2 channel (2DPC)
Expansion Slots		<ul style="list-style-type: none"> • 1 x PCIe x16 Gen4 Gold Finger (from CPU) • 1 x Slimline x4 conn. supports PCIe x4 Gen4 (from CPU) • Up to 2 x M.2 22110 (1 x PCIe x1/SATA co-design) from PCH
		<p>(A) PCH C256 SKU:</p> <ul style="list-style-type: none"> a. 1 x PCIe x8 slot with PCIe Gen4 x4 lanes b. 2 x SATA 7pin + 1 x mini-SAS HD (4 x SATA) <p>(B) PCH C252 SKU:</p> <ul style="list-style-type: none"> a. 1 x PCIe x8 slot with PCIe Gen4 x2 lanes b. 1 x mini-SAS HD (4 x SATA) (without SATA 7pin onboard)
System BIOS	BIOS Type	AMI UEFI BIOS
	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • AC loss recovery • IPMI KCS interface • SMBIOS • Serial console redirection • TPM
On-board Devices	SATA	<p>Rocket Lake PCH-H on-chip solution supports up to 8 x SATA 6.0 Gb/s</p> <ul style="list-style-type: none"> • 2 x SATA support pin#7 with 5V by jumper setting • Another 2 x SATA share with above M.2 • 1 x MiniSAS HD supports 4 x SATA
	BMC	<p>Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor</p> <ul style="list-style-type: none"> • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support • HTML5 • Redfish

On-board Devices	Network Controller	<ul style="list-style-type: none"> • Realtek RTL8211E for BMC dedicated management port • 1 x Intel I350 AM4/AM2 co-design to supports 2/4 x GbE (SKU option)
	Graphics	<p>Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor</p> <ul style="list-style-type: none"> • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp
Input/Output	SATA	<p>Rocket Lake PCH-H on-chip solution supports up to 8 x SATA 6.0 Gb/s</p> <ul style="list-style-type: none"> • 2 x SATA support pin#7 with 5V by jumper setting • Another 2 x SATA share with above M.2 • 1 x MiniSAS HD supports 4 x SATA
	LAN	<ul style="list-style-type: none"> • 1 x RJ45 (for BMC management port) • 2 x RJ45 GbE
	USB	<ul style="list-style-type: none"> • 2 x USB 3.2 Gen2 (10Gbps) Type A • 2 x USB pin headers support USB3.0/2.0
	Display	<ul style="list-style-type: none"> • 1 x external VGA port • 1 x internal VGA pin-header (share with rear I/O-VGA) • 1 x display port
	Serial Port	<ul style="list-style-type: none"> • 1 x Phone Jack for COM • 1 x COM2 box header • 1 x COM1 box header share with rear I/O - COM
	Others	<ul style="list-style-type: none"> • 1 x TPM 2.0 onboard



I/O View



Dimensions

mm : 304.8 x 330.2 / inches : 12 x 13

The Tucana server board offers the latest Xeon® Scalable Processors technology solutions with compelling performance and provides premium power efficiency, which is optimized for efficient performance platforms (storage, security and communications infrastructure)

By implementing Intel® Xeon® Scalable Processors, fully integrated microarchitecture supports up to 3 x 16 lanes, 2 x8 lanes, 4 slimline x8 of PCIe Gen4 and one OCP 3.0 PCIe Gen4, providing eight channels per CPU with total sixteen DIMM slots deployment which can support up to DDR4 3200/2933MHz, Tucana server board can meet both cost efficiency and performance requirement for lots of applications.

Featured with ground breaking technologies including Intel® Next Generation Microarchitecture and Instruction Set (AVX-512, VMD), Speed Shift Technology, UPI link speeds up to 11.2GT/s, the Tucana server board enable next generation server solutions with an incredible leap in performance.

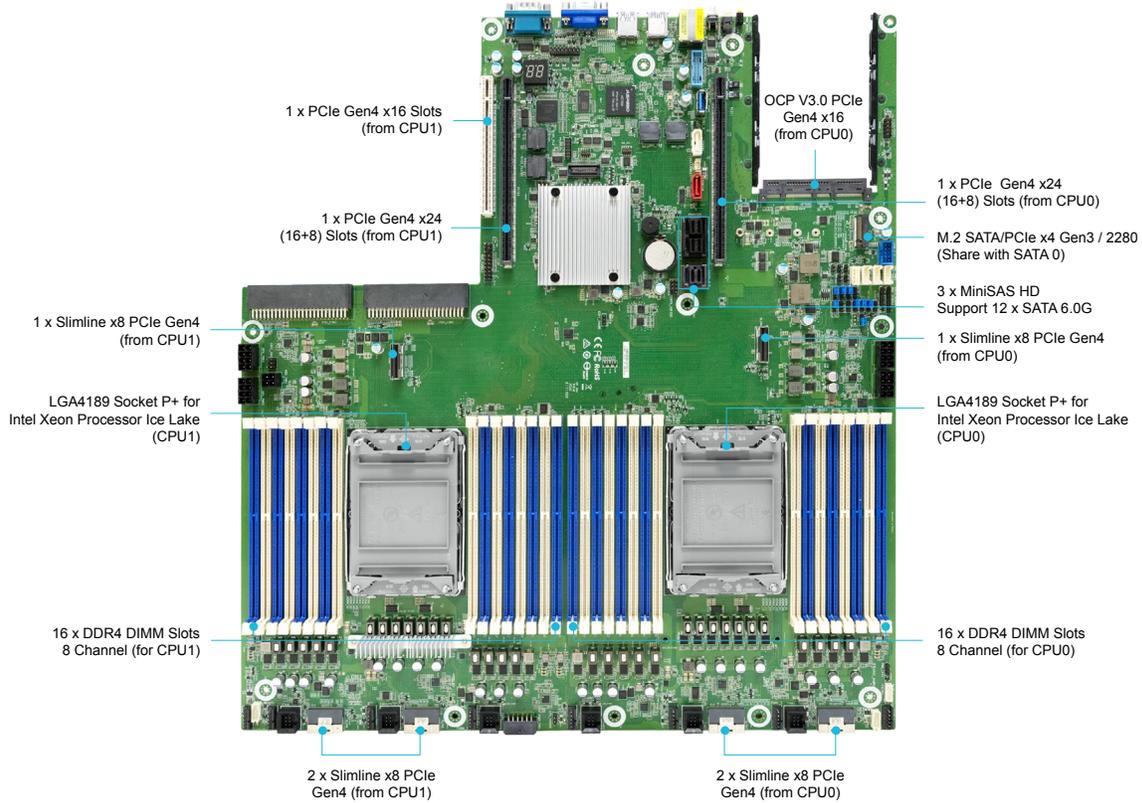
Features

- Supports 3rd Gen Intel® Xeon® Scalable Processors for highest server performance and improved power efficiency
- Supports 16 DDR4 DIMM slots for maximum memory performance
- Supports up to 3 x 16 lanes, 2 x8 lanes, 4 x slimline x8, 1 x OCP 3.0 of PCIe Gen4
- Onboard Baseboard Management Controller for system management and IPMI control
- Embedded components for 5+ year long life
- Rackmount Technology Extension (RTX) form factor utilizes full internal chassis volume for optimum I/O configurations

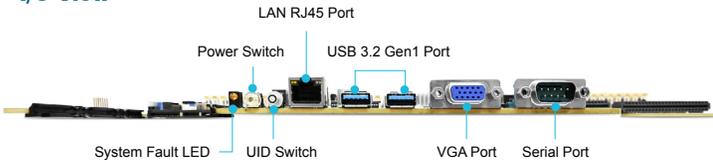
Specifications

System	Processor Support	3rd Gen Intel® Xeon® Scalable Processors (Ice lake CPU)
	CPU TDP	270W
	UPI Speeds	10.4 / 11.2 GT/s
	Socket Type	Socket P+ (LGA-4189)
System BIOS	System Memory	<ul style="list-style-type: none"> • 8 x memory channels per CPU(1DPC) • 16 x DIMM slots support: DDR4 3200/2933MHz RDIMM/LRDIMM <ul style="list-style-type: none"> - up to 512GB RDIMM SRx4 (16Gb) - up to 1024GB RDIMM DRx4 (16Gb) - up to 4096GB RDIMM 3DS 8Rx4 (16Gb) - up to 2048GB LRDIMM QRx4 (16Gb) - up to 4096GB LRDIMM 3DS 8Rx4 (16Gb) • Intel® Optane™ DC Persistent Memory (Barlow Pass) support
	Expansion Slots	<ul style="list-style-type: none"> • CPU0: 2 x PCIe Gen4 x16 slots + 1 x OCP V3.0 + 1 x slimline x8 • CPU1: 1 x PCIe Gen4 x16 slot 2 x PCIe Gen4 x8 3 x slimline x8
System BIOS	BIOS Type	AMI UEFI BIOS
	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • AC loss recovery • IPMI KCS interface • SMBIOS • Serial console redirection • SRIOV • TPM • PCIe Hotplug
On-board Devices	SATA	Lewisburg PCH on-chip solution supports 12 x SATA 6.0 Gb/s <ul style="list-style-type: none"> • 2 x SATA 7pin • 8 x SATA by Slimline + 2 x SATA by M.2 (supports both SATA/PCIe by PCH HSIO)
	BMC	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support • HTML5 • Redfish

On-board Devices	Network Controller	<ul style="list-style-type: none"> • Realtek RTL8211E GbE for BMC dedicated management port (NCSI shared NIC - reserved for OCP & I210 by jumper setting) • Intel I210 GbE for BMC shared NIC management port by onboard connector (NCSI shared NIC - reserved for OCP V3.0)
	Graphics	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp
Input/Output	SATA	Lewisburg PCH on-chip solution supports 12 x SATA 6.0 Gb/s <ul style="list-style-type: none"> • 2 x SATA 7pin • 8 x SATA by Slimline + 2 x SATA by M.2 (supports both SATA/PCIe by PCH HSIO)
	LAN	• 1 x GbE RJ45 dedicated to BMC management
	USB	<ul style="list-style-type: none"> • 2 x USB 3.0 double-stake Type A connectors • 2 x USB pin headers support USB3.0/2.0
	VGA	• 1 x internal VGA pin-header
	Serial Port	<ul style="list-style-type: none"> • 1 x external COM port • 1 x COM2 box header • 1 x COM1 box header share with rear I/O phone jack
	Others	• 1 x TPM 2.0 onboard



I/O View



Dimensions

mm : 482.6 x 431.8 / inches : 19 x 17

The A6 server board offers the latest Xeon® Scalable Processors technology solutions with compelling performance and provides premium power efficiency, which is optimized for efficient performance platforms (storage, security and communications infrastructure)

By implementing Intel® Xeon® Scalable Processors, fully integrated microarchitecture supports up to 2 x 24 lanes, 1 x16 lanes, 6 slimline x8 of PCIe Gen4 and one OCP 3.0 PCIe Gen4, providing eight channels per CPU with total 32 DIMM slots deployment which can support up to DDR4 3200/2933MHz, A6 server board can meet both cost efficiency and performance requirement for lots of applications.

Featured with ground breaking technologies including Intel® Next Generation Microarchitecture and Instruction Set (AVX-512, VMD), Speed Shift Technology, UPI link speeds up to 11.2GT/s, the A6 server board enable next generation server solutions with an incredible leap in performance.

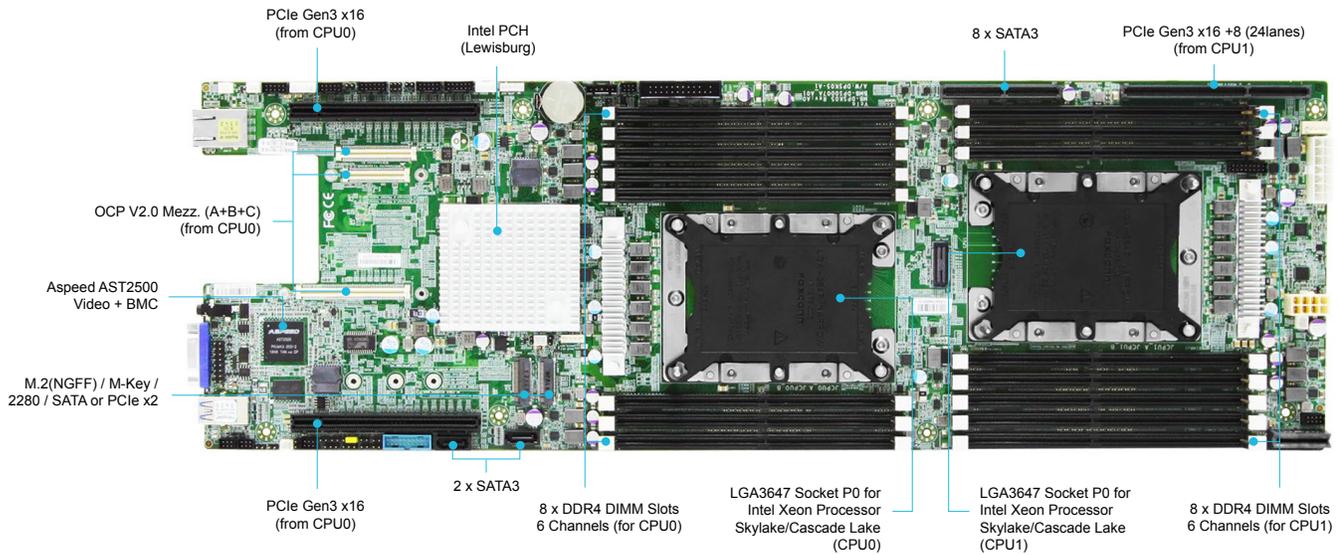
Features

- Supports 3rd Gen Intel® Xeon® Scalable Processors for highest server performance and improved power efficiency
- Supports 32 DDR4 DIMM slots for maximum memory performance
- Supports 2 x 24 lanes, 1 x16 lanes, 6 x slimline x8, 1 x OCP 3.0 of PCIe Gen4
- Onboard Baseboard Management Controller for system management and IPMI control
- Embedded components for 5+ year long life
- Rackmount Technology Extension (RTX) form factor utilizes full internal chassis volume for optimum I/O configurations

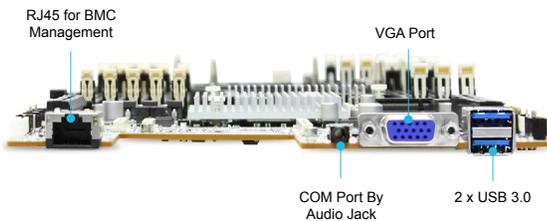
Specifications

System	Processor Support	3rd Gen Intel® Xeon® Scalable Processors (Ice lake CPU)
	CPU TDP	270W
	UPI Speeds	10.4 / 11.2 GT/s
	Socket Type	Socket P+ (LGA-4189)
System	System Memory	<ul style="list-style-type: none"> • 8 x memory channels per CPU(1DPC) • 32 x DIMM slots support: <ul style="list-style-type: none"> DDR4 3200/2933MHz RDIMM/LRDIMM - up to 64GB RDIMM - up to 128GB LRDIMM - up to 256GB RDIMM/LRDIMM 3DS • Intel® Optane™ DC Persistent Memory (Barlow Pass) support
	Expansion Slots	<ul style="list-style-type: none"> • CPU0: 1 x PCIe Gen4 x24 slots 1 x OCP V3.0 (PCIe Gen4 x16) 3 x Slimline x8 (PCIe Gen4) • CPU1: 1 x PCIe Gen4 x24 slot 1 x PCIe Gen4 x16 slot 3 x Slimline x8 (PCIe Gen4)
System BIOS	BIOS Type	AMI UEFI BIOS
	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • AC loss recovery • IPMI KCS interface • SMBIOS • Serial console redirection • SRIOV • TPM • PCIe Hotplug
On-board Devices	SATA	Lewisburg PCH on-chip solution support up to <ul style="list-style-type: none"> 14 x SATA 6.0 Gb/s 2 x SATA 7pin (SATA 6.0Gb/s) 1 x M.2 (PCIe3.0 x4 or SATA 6.0Gb/s share with above SATA 7pin) 3 x MiniSAS HD, support 12 x SATA 6.0Gb/s
	BMC	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support • HTML5 • Redfish

On-board Devices	Network Controller	Realtek RTL8211E GbE for BMC dedicate management port (NCSI shared NIC - reserved for OCP)
	Graphics	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp
Input/Output	SATA	Lewisburg PCH on-chip solution support up to <ul style="list-style-type: none"> 14 x SATA 6.0 Gb/s 2 x SATA 7pin (SATA 6.0Gb/s) 1 x M.2 (PCIe3.0 x4 or SATA 6.0Gb/s share with above SATA 7pin) 3 x MiniSAS HD, support 12 x SATA 6.0Gb/s
	LAN	1 x GbE RJ45 dedicated to BMC management
	USB	External: <ul style="list-style-type: none"> • 2 x USB 3.2 Gen1 type A connectors Internal: <ul style="list-style-type: none"> • 1 x USB 3.2 Gen1 type A connector • 1 x header (support 2 USB3.2 Gen1) • 1 x header (support 2 USB2.0)
	VGA	<ul style="list-style-type: none"> • 1 x external VGA port • 1 x internal 15pin header
	Serial Port	1 x DB9 (COM)
	Others	<ul style="list-style-type: none"> • 1 x UID with LED • 1 x Power with LED • 1 x System LED • 1 x TPM header (SPI)



I/O View



Dimensions

mm : 528.32 x 172.72 / inches : 20.8 x 6.8

The Vela server board offers the latest Xeon® Scalable Processors technology solutions with compelling performance and provides premium power efficiency, which is optimized for efficient performance platforms (storage, security and communications infrastructure).

By implementing Intel® Xeon® Scalable Processors, fully integrated microarchitecture supports up to 72 lanes of PCIe Gen3, providing six channels per CPU with total sixteen DIMM slots deployment which can support up to DDR4 2933/2666/2400MHz, Vela server board can meet both cost efficiency and performance requirement for lots of applications.

Featured with ground breaking technologies including Intel® Next Generation Microarchitecture and Instruction Set (AVX-512, VMD, QAT - optional by PCH SKU), Speed Shift Technology, UPI link speeds up to 10.4GT/s, the Vela server board enable next generation server solutions with an incredible leap in performance.

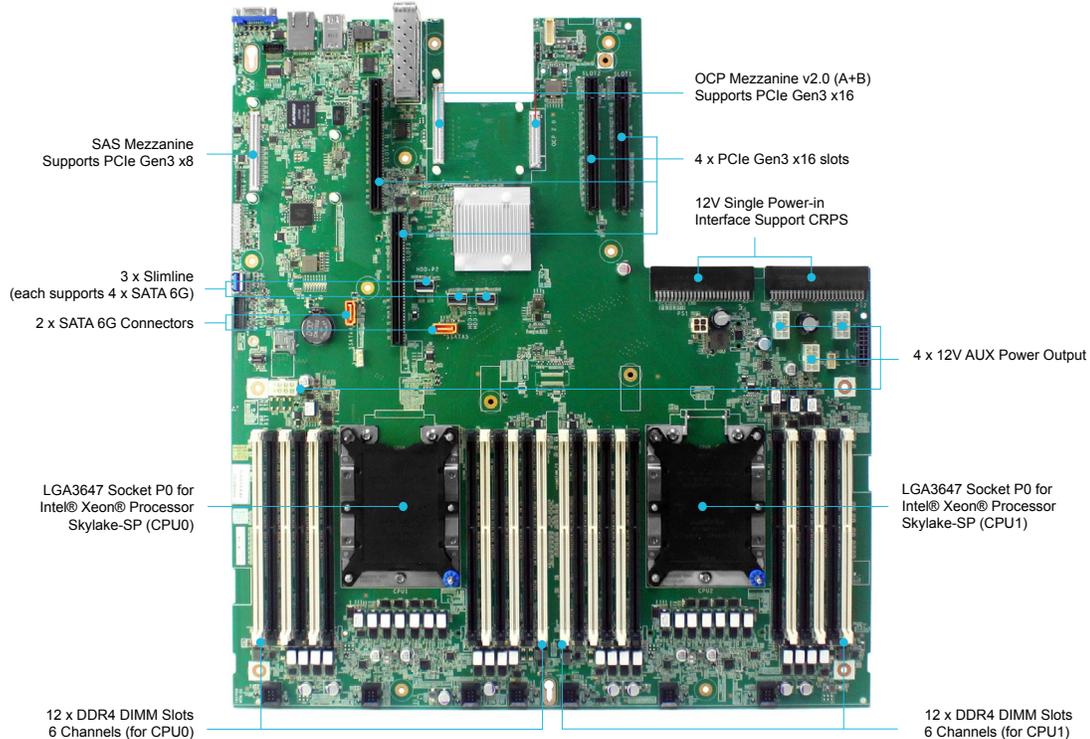
Features

- Supports Intel® Xeon® Scalable Processors for highest server performance and improved power efficiency
- Supports 16 DDR4 DIMM slots for maximum memory performance
- Supports up to 72 lanes of PCIe Gen3 extension
 (1) from CPU0: 1 x16 via OCP Mezzanine V2.0;
 2 x16 via PCIe x16 slots;
 (2) from CPU1: the other 24 lanes via MAX I/O
- Onboard Baseboard Management Controller for system management and IPMI control
- Embedded components for 5+ year long life
- Rackmount Technology Extension (RTX) form factor utilizes full internal chassis volume for optimum I/O configurations

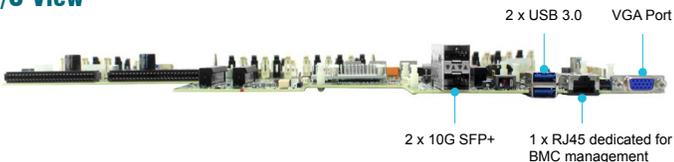
Specifications

System	Processor Support	Intel® Xeon® Scalable Processors (Cascade Lake Refresh/Cascade Lake/Skylake)
	CPU TDP	205W (Option by SKU)
	UPI Speeds	10.4 GT/s, 9.6 GT/s
	Socket Type	Socket P0 (LGA-3647 Socket)
System Memory	System Memory	<ul style="list-style-type: none"> • 6 x memory channels per CPU, 2 channels with 2DPC + 4 channels with 1DPC • 16 x DIMM slots support: DDR4 2933/2666/2400MHz RDIMM/LRDIMM <ul style="list-style-type: none"> - up to 256GB RDIMM SRx4 - up to 512GB RDIMM DRx4 - up to 2048GB RDIMM 3DS 8Rx4 - up to 1024GB LRDIMM QRx4 - up to 2048GB LRDIMM 3DS 8Rx4 • Intel® Optane™ DC Persistent Memory (Apache Pass) support
	Expansion Slots	<ul style="list-style-type: none"> • 2 x PCIe Gen3 slots • 1 x OCP Mezz. V2.0 supports PCIe Gen3 x16 • 1 x high-density connector supports 16 + 8 lanes of PCIe Gen3 • 2 x M.2(NGFF) / M-Key / 2280 / Support SATA or PCIe x2
System BIOS	BIOS Type	Insyde UEFI BIOS
	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • WOL • AC loss recovery • IPMI KCS interface • SMBIOS • Serial console redirection • BIOS Boot Specification • BIOS Recovery Mode • SRIOV • iSCSI • TPM

On-board Devices	SATA	Intel® Lewisburg PCH on-chip solution <ul style="list-style-type: none"> • 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin) • 8 x SATA 6.0 Gb/s by edge slot for extension • RAID 0, 1, 5, 10 support by Intel RSTe
	BMC	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support • HTML5 • Redfish
	Network Controller	<ul style="list-style-type: none"> • Via OCP Mezzanine card/PCIe slots extension • Realtek RTL8211E GbE Ethernet for BMC dedicated management port
	Graphics	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp
Input/Output	SATA	10 x SATA 6.0 Gb/s ports <ul style="list-style-type: none"> • 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin) + 8 x SATA 6.0 Gb/s (by edge slot extension)
	LAN	1 x GbE RJ45 dedicated to BMC management
	USB	<ul style="list-style-type: none"> • 2 x USB 3.0 Type A connectors • 1 x USB internal pin-header to support 2 x USB3.0/USB2.0 • 1 x USB internal pin-header to support 2 x USB 2.0
	VGA	<ul style="list-style-type: none"> • 1 x external VGA port • 1 x internal VGA pin-header (share with external VGA port)
	Serial Port	<ul style="list-style-type: none"> • 1 x external COM port by 3.5mm phone jack • 2 x internal COM pin-headers
	Other	1 x TPM 2.0 onboard



I/O View



Dimensions

mm : 470 x 431 / inches : 18.5 x 16.97

The Ursa server board offers the latest Xeon® Scalable Processors technology solutions with compelling performance and provides premium power efficiency, which is optimized for efficient performance platforms (storage, security and communications infrastructure).

By implementing Intel® Xeon® Scalable Processors, fully integrated microarchitecture support four PCIe Gen3 x16 slots, plus two OCP Mezzanine extension connectors (one is with x16 lanes, the other one is x8). Ursa server board provide dual 10GbE SFP+ networking interface, providing six channels per CPU with total twenty-four DIMM slots deployment which can support up to DDR4 2933/2666/2400MHz.

Featured with ground breaking technologies including Intel® Next Generation Microarchitecture and Instruction Set (AVX-512, VMD, QAT - optional by PCH SKU), Speed Shift Technology, UPI link speeds up to 10.4GT/s, the Ursa server board enable next generation server solutions with an incredible leap in performance.

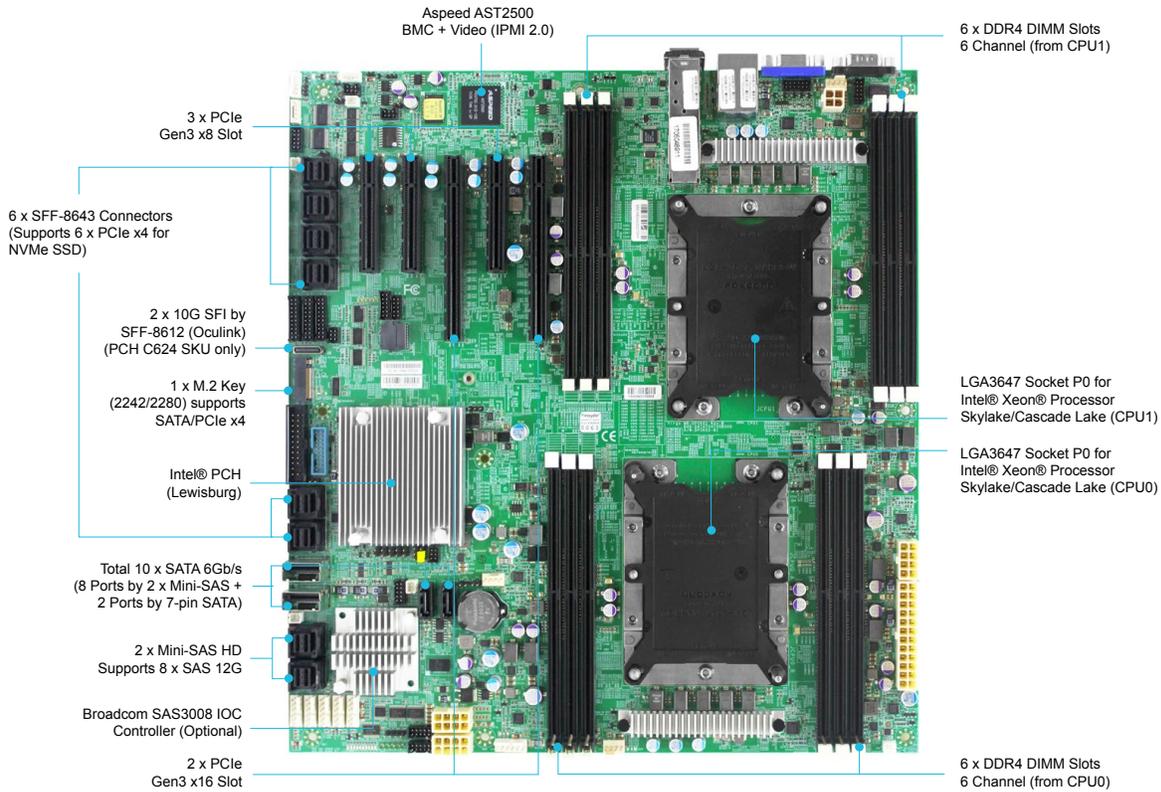
Features

- Supports Intel® Xeon® Scalable Processors (Platinum, Gold, Silver, Bronze) for highest server performance and improved power efficiency
- Supports 24 DDR4 DIMM slots for maximum memory performance
- Supports four PCI Express Gen3 x16 slots (2 from CPU0 + 2 from CPU1)
- Supports one OCP Mezzanine V2.0 up to PCI Express Gen3 x16 extension; one OCP Mezzanine V1.2 up to PCI Express Gen3 x8 extension
- Onboard dual-port 10GbE SFP+ supported by Intel® Lewisburg PCH
- Supports up to 14 SATA 6Gb/s ports
- Supports two CRPS PSU direct connection for power input
- Onboard Baseboard Management Controller for system management and IPMI control

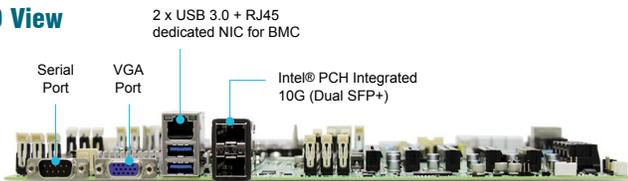
Specifications

System	Processor Support	Intel® Xeon® Scalable Processors (Cascade Lake Refresh/Cascade Lake/Skylake)
	CPU TDP	205W
	UPI Speeds	10.4 GT/s, 9.6 GT/s
	Socket Type	Socket P0 (LGA-3647 Socket)
System BIOS	System Memory	<ul style="list-style-type: none"> • DDR4 2933/2666/2400 (1DPC/2DPC) MHz RDIMM/LRDIMM • Total 24 memory slots ; 6 channel per CPU (2DPC) • Up to 3TB 3DS ECC RDIMM/LRDIMM • Intel® Optane™ DC Persistent Memory (Apache Pass) support
	Expansion Slots	<ul style="list-style-type: none"> • 4 x PCIe Gen3 x16; • 2 from CPU0 + 2 from CPU1 • 2 x OCP Mezzanine support: • 1 PCIe Gen3 x16 (V2.0) • 1 PCIe Gen3 x8 (V1.2)
System BIOS	BIOS Type	AMI UEFI BIOS
	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • AC loss recovery • IPMI KCS interface • SMBIOS • Serial console redirection • BIOS Boot Specification • BIOS Recovery Mode
On-board Devices	SATA	<ul style="list-style-type: none"> • Intel® Lewisburg PCH on-chip solution • 14 x SATA 6.0 Gb/s (12 ports by 3 x Slimline connectors; 2 ports by SATA 7-pin connectors) • RAID 0, 1, 5, 10 support by Intel RSTe

On-board Devices	IPMI	<ul style="list-style-type: none"> • Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support • HTML5 • Redfish
	Network Controller	<ul style="list-style-type: none"> • Intel® PCH(C622) Integrated 10GbE LAN Controller support 2 x 10GbE SFP+ • Networking options provided via OCP Mezzanine extension • Broadcom BCM54612 (GbE) for BMC dedicated management port
	Graphics	<ul style="list-style-type: none"> • Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp
Input/Output	SATA	<ul style="list-style-type: none"> • 14 x SATA 6.0 Gb/s ports, including: • 12 x SATA 6.0 Gb/s (by 3 x mini-SAS HD) • 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pins)
	LAN	<ul style="list-style-type: none"> • 2 x 10G SFP+ • 1 x GbE RJ45 dedicated to BMC management
	USB	<ul style="list-style-type: none"> • 2 x USB 3.0 Type A connectors • 1 x USB internal pin-header to support 2 x USB 3.0/2.0 • 1 x USB internal vertical Type A connector to support USB 3.0/2.0
	VGA	1 x external DB-9 COM port
	Serial Port	1 x internal serial header
	Others	1 x TPM connector



I/O View



Dimensions

mm : 304.8 x 330.2 / inches : 12 x 13

The Virgo server board offers the latest Intel® Xeon® Scalable Processors technology solutions with compelling performance and provides premium power efficiency, which is optimized for efficient performance platforms (storage, security and communications infrastructure).

By implementing Intel® Xeon® Scalable Processors, fully integrated microarchitecture, the Virgo server board delivers unmatched performance, providing six channels of DDR4 2933/2666/2400MHz per socket, dual 10GbE SFP+ and optional internal connector to support configurable dual-port for 10GbE (KR/SFI/XFI) or 1GbE (KX), and optional Broadcom SAS3008 SAS IOC onboard.

Featured with ground breaking technologies including Intel® Next Generation Microarchitecture and Instruction Set (AVX-512, VMD, QAT - optional by PCH SKU), Speed Shift Technology, UPI link speeds up to 10.4GT/s, the Virgo server board enable next generation server solutions with an incredible leap in performance in a standard EATX form factor platform.

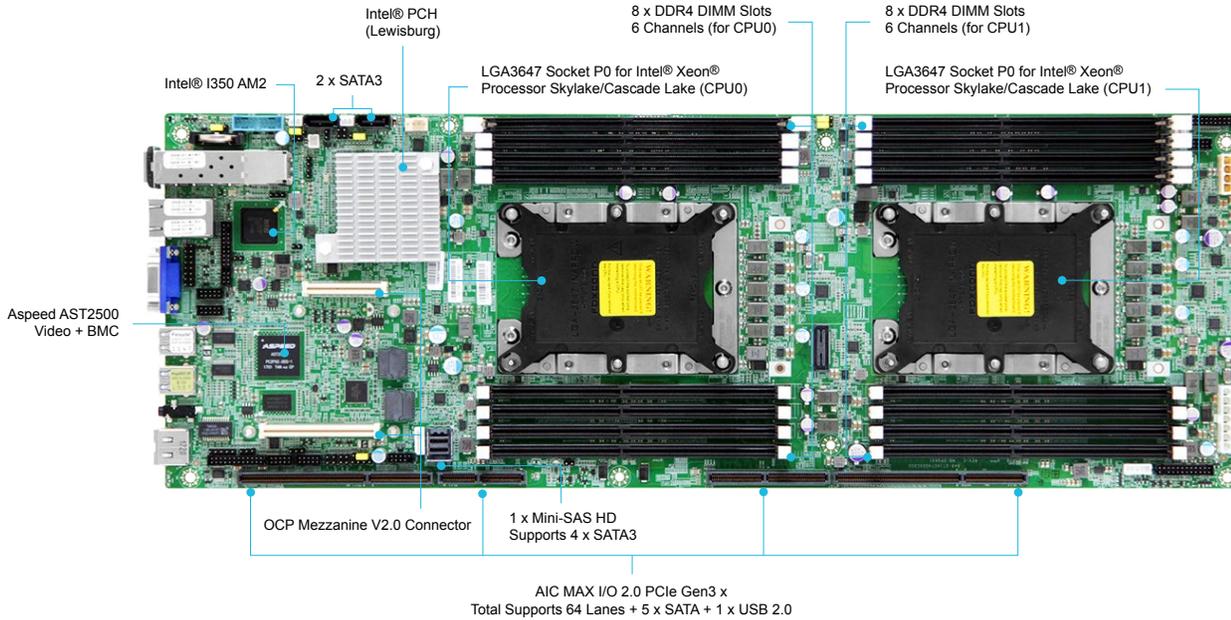
Features

- Supports Intel® Xeon® Scalable Processors for highest server performance and improved power efficiency
- Supports 2 x PCIe Gen3 x16 slots + 3 x PCIe Gen3 x8 slots + 6 x SFF-8643 each supports PCIe Gen3 x4
- Supports one NGFF (M.2) with PCIe Gen3 x4 / SATA co-design
- Broadcom SAS3008 SAS/SATA I/O Controller for 12Gb/s SAS
- Onboard dual-port 10GbE SFP+ and optional two configurable ports support 10GbE (KR/SFI/XFI) or 1GbE (KX) by internal connector supported by Intel® Lewisburg PCH
- Onboard Baseboard Management Controller for system management and IPMI control
- Embedded components for 5+ year long life

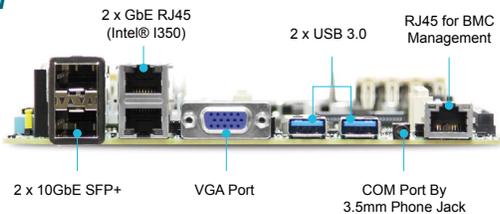
Specifications

System	Processor Support	Intel® Xeon® Scalable Processors (Cascade Lake Refresh/Cascade Lake/Skylake)
	CPU TDP	165W
	UPI Speeds	10.4 GT/s, 9.6 GT/s
	Socket Type	Socket P0 (LGA-3647 Socket)
System Memory	System Memory	<ul style="list-style-type: none"> • 6 x memory channels per CPU, 1 x DIMM per channel • 12 x DIMM slots support: <ul style="list-style-type: none"> DDR4 2933/2666/2400MHz RDIMM/LRDIMM - up to 192GB RDIMM SRx4 - up to 384GB RDIMM DRx4 - up to 1536GB RDIMM 3DS 8Rx4 - up to 768GB LRDIMM QRx4 - up to 1536GB LRDIMM 3DS 8Rx4 • Intel® Optane™ DC Persistent Memory (Apache Pass) support
	Expansion Slots	<ul style="list-style-type: none"> • 2 x PCIe Gen3 x16 slots • 3 x PCIe Gen3 x8 slots • 6 x SFF-8643 each supports PCIe Gen3 x4 • 1 x NGFF (M.2) M-Key (2280, 2242 by additional bracket) supports SATA/PCIe x4
System BIOS	BIOS Type	Insyde UEFI BIOS
	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • WOL • AC loss recovery • IPMI KCS interface • SMBIOS • Serial console redirection • BIOS Boot Specification • BIOS Recovery Mode • SRIOV • iSCSI • TPM • PCIe Hotplug
On-board Devices	SATA	<ul style="list-style-type: none"> Intel® Lewisburg PCH on-chip solution • 8 x SATA 6.0 Gb/s (by 2 x mini-SAS) • 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin) • RAID 0, 1, 5, 10 support by Intel RSTe Broadcom SAS IOC SAS3008 supports up to 8 ports 12G SAS via 2 x mini-SAS HD (optional)
	BMC	<ul style="list-style-type: none"> Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support • HTML5 • Redfish

On-board Devices	Network Controller	<ul style="list-style-type: none"> • Intel® PCH (Lewisburg) Integrated 10GbE LAN Controller with dual SFP+ rear connectors • 2 x optional configurable ports support 10GbE (KR/SFI/XFI) or 1GbE (KX) by onboard header (optional by PCH C624 SKU) • Realtek RTL8201E 10/100 Mbps Ethernet for BMC dedicated management port
	Graphics	<ul style="list-style-type: none"> Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp
Input/Output	Serial ATA	<ul style="list-style-type: none"> 10 x SATA 6.0 Gb/s ports • 8 x SATA 6.0 Gb/s (by 2 x mini-SAS) • 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin)
	LAN	<ul style="list-style-type: none"> • 2 x 10GbE SFP+ • 1 x internal SFF-8612 (Oculink) supports dual-port: 10G KR/SFI/XFI or 1G KX (optional by PCH C624 SKU) • 1 x 10/100M RJ45 dedicated to BMC management
	USB	<ul style="list-style-type: none"> • 2 x USB3.0 double-stacked Type A connectors • 1 x USB internal pin-header to support 2 x USB3.0/USB2.0
	VGA	<ul style="list-style-type: none"> • 1 x external VGA port • 1 x internal VGA pin-header (share with external VGA port)
	Serial Port	<ul style="list-style-type: none"> • 1 x external DB-9 COM port • 2 x internal COM pin-headers
	Other	<ul style="list-style-type: none"> • 1 x TPM 2.0 onboard
Additional Information	<ul style="list-style-type: none"> SAS (Optional) • 2 x mini-SAS HD (SFF-8643) support up to 8 ports SAS 12 Gb/s 	



I/O View



Dimensions

mm : 485.15 x 172.72 / inches : 19.1 x 6.8

The Pavo server board offers the latest Intel® Xeon® Scalable Processors technology solutions with compelling performance and provides premium power efficiency, which is optimized for efficient performance platforms (storage, security and communications infrastructure).

By implementing Intel® Xeon® Scalable Processors, fully integrated microarchitecture with AIC MAX I/O 2.0, which support up to 64 lanes of PCIe Gen3, Pavo server board can maximize your I/O intensive application demand, providing six channels per CPU with total sixteen DIMM slots deployment which can support up to DDR4 2933/2666/2400MHz.

Featured with ground breaking technologies including Intel® Next Generation Microarchitecture and Instruction Set (AVX-512, VMD, QAT - optional by PCH SKU), Speed Shift Technology, UPI link speeds up to 10.4GT/s, the Pavo server board enable next generation server solutions with an incredible leap in performance.

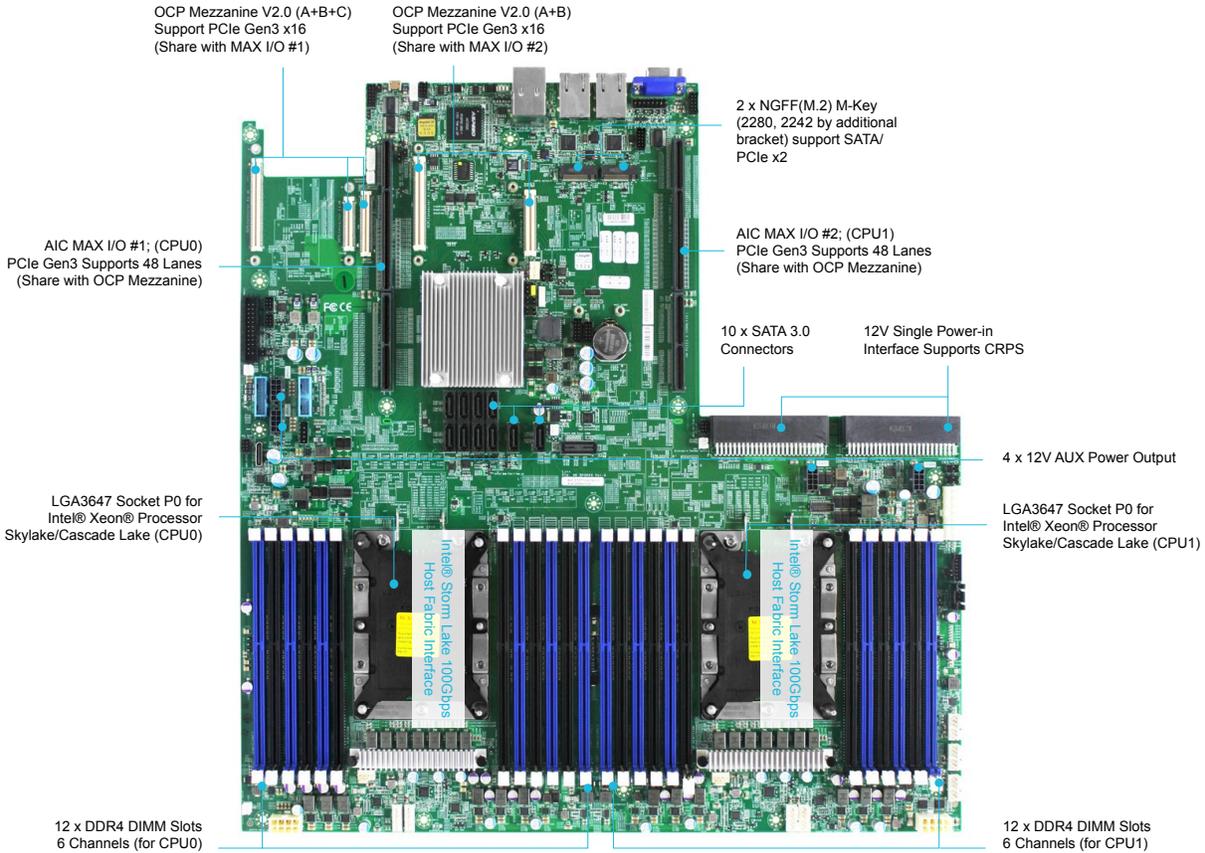
Features

- Supports Intel® Xeon® Scalable Processors for highest server performance and improved power efficiency
- Supports 16 DDR4 DIMM slots for maximum memory performance
- AIC MAX I/O supports 64 PCIe Gen3 lanes
- Supports one OCP Mezzanine V2.0 up to PCIe Gen3 x16 extension
- Onboard dual 10GbE SFP+ ports by Intel® Lewisburg PCH and dual GbE ports by Intel® Ethernet Controller I350
- Onboard Baseboard Management Controller for system management and IPMI control
- Embedded components for 5+ year long life
- Rackmount Technology Extension (RTX) form factor utilizes full internal chassis volume for optimum I/O configurations

Specifications

System	Processor Support	Intel® Xeon® Scalable Processors (Cascade Lake Refresh/Cascade Lake/Skylake)
	CPU TDP	165W
	UPI Speeds	10.4 GT/s, 9.6 GT/s
	Socket Type	Socket P0 (LGA-3647 Socket)
	System Memory	<ul style="list-style-type: none"> • 6 x memory channels per CPU, 2 channels with 2DPC + 4 channels with 1DPC • 16 x DIMM slots support: DDR4 2933/2666/2400MHz RDIMM/LRDIMM <ul style="list-style-type: none"> - up to 256GB RDIMM SRx4 - up to 512GB RDIMM DRx4 - up to 2048GB RDIMM 3DS 8Rx4 - up to 1024GB LRDIMM QRx4 - up to 2048GB LRDIMM 3DS 8Rx4 • Intel® Optane™ DC Persistent Memory (Apache Pass) support
Expansion Slots	<ul style="list-style-type: none"> • 1 x AIC MAX I/O supports: PCIe Gen3 total 64 lanes + 5 x SATA + 1 x USB2.0 • 1 x OCP Mezzanine V2.0 supports PCIe Gen3 x16 	
System BIOS	BIOS Type	Insyde UEFI BIOS
	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • WOL • AC loss recovery • IPMI KCS interface • SMBIOS • Serial console redirection • BIOS Boot Specification • BIOS Recovery Mode • SRIOV • iSCSI • TPM • PCIe Hotplug

On-board Devices	SATA	Intel® Lewisburg PCH on-chip solution <ul style="list-style-type: none"> • 4 x SATA 6.0 Gb/s (by 1 x mini-SAS HD) • 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin) • 5 x SATA 6.0 Gb/s (by MAX I/O) • RAID 0, 1, 5, 10 support by Intel RSTe
	BMC	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support • HTML5 • Redfish
	Network Controller	<ul style="list-style-type: none"> • Intel® PCH (Lewisburg) Integrated 10GbE LAN Controller with dual SFP+ rear connectors • Intel® I350 dual-port RJ45 rear connectors • Realtek RTL8211E GbE Ethernet for BMC dedicated management port
	Graphics	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp
Input/Output	SATA	11 x SATA 6.0 Gb/s ports <ul style="list-style-type: none"> • 4 x SATA 6.0 Gb/s (by 1 x mini-SAS HD) • 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin) • 5 x SATA 6.0 Gb/s (by MAX I/O)
	LAN	<ul style="list-style-type: none"> • 2 x 10GbE SFP+ • 2 x GbE RJ45 • 1 x GbE RJ45 dedicated to BMC management
	USB	<ul style="list-style-type: none"> • 2 x USB 3.0 Type A connectors • 1 x USB internal pin-header to support 2 x USB3.0/USB2.0 • 1 x USB internal pin-header to support 2 x USB 2.0
	VGA	<ul style="list-style-type: none"> • 1 x external VGA port • 1 x internal VGA pin-header (share with external VGA port)
	Serial Port	<ul style="list-style-type: none"> • 1 x external COM port by 3.5mm phone jack • 2 x internal COM pin-headers
	Other	<ul style="list-style-type: none"> • 1 x TPM 2.0 onboard



I/O View



Dimensions

mm : 424.18 x 433.87 / inches : 16.7 x 17.081

The Lynx server board offers the latest Intel® Xeon® Scalable Processors technology solutions with compelling performance and provides premium power efficiency, which is optimized for efficient performance platforms (storage, security and communications infrastructure).

By implementing Intel® Xeon® Scalable Processors, fully integrated microarchitecture with AIC MAX I/O 2.0 which support up to 96 lanes of PCIe Gen3, Lynx server board can maximize your I/O intensive application demand, providing six channels per CPU with total twenty-four DIMM slots deployment which can support up to DDR4 2933/2666/2400MHz.

Featured with ground breaking technologies including Intel® Next Generation Microarchitecture and Instruction Set (AVX-512, VMD, QAT - optional by PCH SKU), Speed Shift Technology, UPI link speeds up to 10.4GT/s, the Lynx server board enable next generation server solutions with an incredible leap in performance.

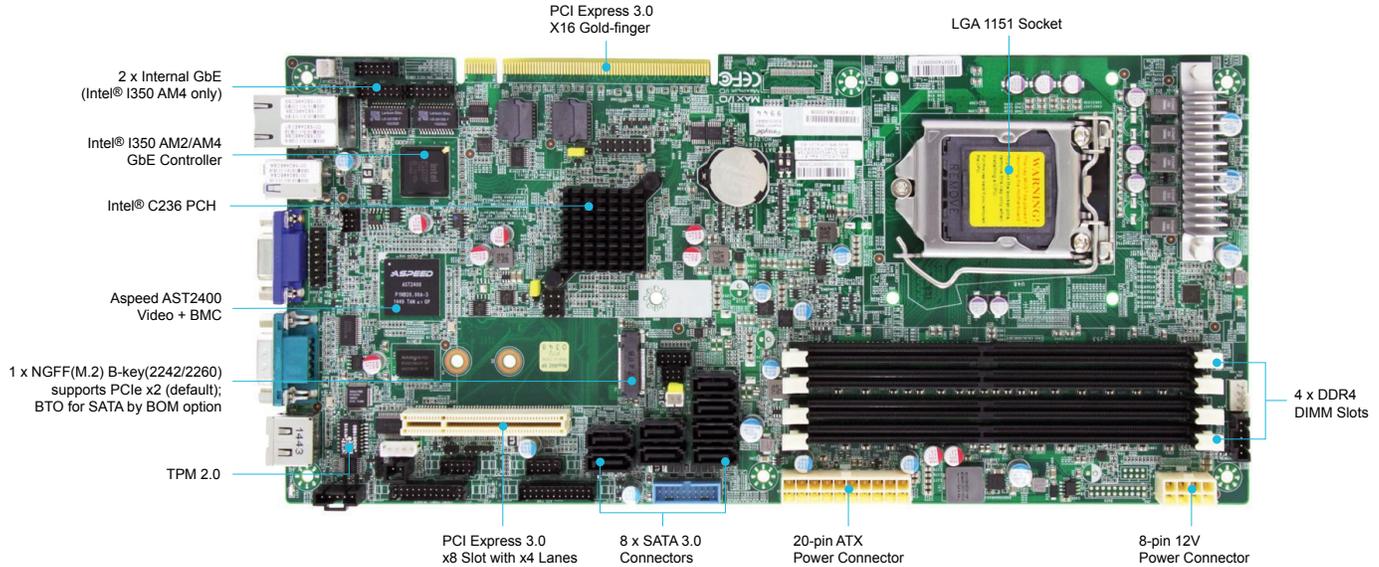
Features

- Supports Intel® Xeon® Scalable Processors for highest server performance and improved power efficiency
- Supports 24 DDR4 DIMM slots for maximum memory performance
- AIC MAX I/O supports up to 96 PCIe Gen3 lanes (48 lanes from CPU0 + 48 lanes from CPU1); both 16 lanes will be shared with OCP Mezzanine V2.0
- Supports two OCP Mezzanine V2.0 up to PCIe Gen3 x16 extension (shared from MAX I/O)
- Onboard dual GbE ports come from 2 x Intel® Ethernet Controller I210
- Supports two CRPS PSU direct connection for power input
- Onboard Baseboard Management Controller for system management and IPMI control
- Embedded components for 5+ year long life

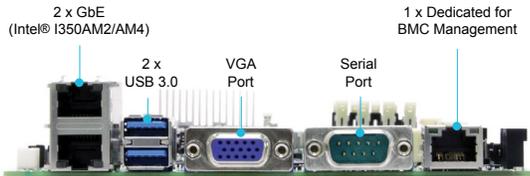
Specifications

System	Processor Support	<ul style="list-style-type: none"> Intel® Xeon® Scalable Processors (Cascade Lake Refresh/Cascade Lake/Skylake) Support Intel® Storm Lake 100Gbps Host Fabric Interface, Skylake-F SKU CPU
	CPU TDP	205W
	UPI Speeds	10.4 GT/s, 9.6 GT/s
	Socket Type	Socket P0 (LGA-3647 Socket)
	System Memory	<ul style="list-style-type: none"> 6 x memory channels per CPU, 2 x DIMM per channel 24 x DIMM slots support: <ul style="list-style-type: none"> DDR4 2933/2666/2400MHz RDIMM/LRDIMM <ul style="list-style-type: none"> up to 384GB RDIMM SRx4 up to 768GB RDIMM DRx4 up to 3072GB RDIMM 3DS 8Rx4/QRx4 up to 1536GB LRDIMM QRx4 up to 3072GB LRDIMM 3DS 8Rx4/QRx4 Intel® Optane™ DC Persistent Memory (Apache Pass) support
Expansion Slots	<ul style="list-style-type: none"> 2 x AIC MAX I/O support: PCIe Gen3 total 96 lanes; (each 48 lanes from CPU0 & CPU1) 2 x OCP Mezzanine V2.0 support PCIe Gen3 \ x16 (share with MAX I/O) 1 x OCP Mezzanine supports KR (optional by PCH C624/C622 SKUs), as 10GbE (KR/SFI/XFI) or 1GbE (KX) 2 x NGFF(M.2) M-Key(2280, 2242 by additional bracket) support SATA/PCIe x2 	
System BIOS	BIOS Type	Insyde UEFI BIOS
	BIOS Features	<ul style="list-style-type: none"> ACPI PXE WOL AC loss recovery IPMI KCS interface SMBIOS Serial console redirection BIOS Boot Specification BIOS Recovery Mode SRIOV iSCSI TPM PCIe Hotplug

On-board Devices	SATA	<ul style="list-style-type: none"> Intel® Lewisburg PCH on-chip solution 10 x SATA 6.0 Gb/s RAID 0, 1, 5, 10 support by Intel RSTe
	BMC	<ul style="list-style-type: none"> Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor Baseboard Management Controller Intelligent Platform Interface 2.0 (IPMI 2.0) iKVM, Media Redirection, IPMI over LAN, Serial over LAN SMASH Support HTML5 Redfish
	Network Controller	<ul style="list-style-type: none"> Two Intel I210 Ethernet Controller support dual port GbE RJ45 connectors Networking options provided via OCP Mezzanine extension Realtek RTL8201E 10/100Mbps Ethernet PHY for BMC dedicated management port
	Graphics	<ul style="list-style-type: none"> Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor PCIe VGA/2D Controller 1920x1200@60Hz 32bpp
Input/Output	Serial ATA	10 x SATA 6.0 Gb/s ports
	LAN	<ul style="list-style-type: none"> 2 x GbE RJ45 1 x 10/100M RJ45 dedicated to BMC management
	USB	<ul style="list-style-type: none"> 2 x USB 3.0 Type A connectors 2 x USB internal pin-header to support total 4 x USB3.0/USB2.0 1 x USB internal pin-header to support 2 x USB 2.0
	VGA	<ul style="list-style-type: none"> 1 x external VGA port 1 x internal VGA pin-header (share with external VGA port)
	Serial Port	<ul style="list-style-type: none"> 1 x external Micro-USB Type B for COM port 2 x internal COM pin-headers
	Others	1 x TPM 2.0 onboard



I/O View



Dimensions

mm : 330.2 x 153.86 / inches : 13 x 6.057

By implementing the next generation 14nm Intel® Xeon® processor E3-1200 v5 and v6 series, fully integrated microarchitecture with AIC-patented MAX I/O technology, the Antlia server board provides for maximum flexibility of I/O usage, never before available in the industry.

The Antlia features benefits of the Skylake processor and next generation architecture with available Gen3 PCI Express and more memory support. Built upon the MAX I/O technology, the Antlia series allows users to maximize the input/output (I/O) usage by utilizing the PCI Express directly at the source and eliminating the need for expensive switches. Users can cost-effectively manage PCI Express with the available bandwidth by choosing one of many riser cards for their I/O expansion requirement. MAX I/O supports any brand of PCI-based HBAs and that puts the decision of how to use PCI Express in the hands of the user, not in the hands of the board supplier.

The unique RTX form factor utilizes full internal chassis height for optimum I/O configurations.

Features

- Supports one Intel® Xeon® Processors E3-1200 v5 and v6 product family, 6th generation Intel® Core™ i3 processor, Intel® Pentium® processor or Celeron® processor
- Flexible I/O usage with MAX I/O to support an optimal number of PCIe devices utilizing 16 lanes of PCIe Gen3 and one PCIe Gen3 x4 slot
- Comes with a server-grade Intel® Ethernet Controller I350 to support up to 4GbE ports (2 x rear I/O RJ45 and 2 x onboard headers)
- With Embedded components to provide 5+ years product life cycle
- Onboard Baseboard Management Controller for system management and IPMI control
- Rackmount Technology Extension (RTX) form factor utilizes full internal chassis volume for optimum I/O configurations

Specifications

System	Processor Support	Intel® Xeon® Processor E3-1200 v5/v6 Product Family, 6th/7th generation Intel® Core™ i3 Processor, Intel® Pentium® or Celeron® processor
	CPU TDP	80W
	Socket Type	Socket H3 (LGA-1151)
	System Chipset	Intel® C236 Chipset
	System Memory	<ul style="list-style-type: none"> • 4 x DIMM slots support DDR4 2400/2133MHz ECC UDIMM • Up to 64GB capacity
	Expansion Slots	<ul style="list-style-type: none"> • 1 x PCIe x16 Gen3 Gold-finger • 1 x PCIe x8 onboard slot (x4 Gen3 mode) • 1 x NGFF(M.2) B-key(2242/2260) supports PCIe x2 (default); BTO for SATA by BOM option
System BIOS	BIOS Type	Insyde BIOS code @ 16MB Flash EEPROM
	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • WOL • AC loss recovery • IPMI KCS interface • SMBIOS • Serial console redirection • BIOS Boot Specification • BIOS Recovery Mode
On-board Devices	SATA	Built-in SATA controller with RAID support on Intel® C236 Chipset <ul style="list-style-type: none"> • RAID 0, 1, 5, 10 support by Intel RSTe
	IPMI	Aspeed AST2400 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN

On-board Devices	Network Controller	<ul style="list-style-type: none"> • Intel® Ethernet Controller I350-AM2 dual-port GbE PCIe v2.0 (5.0GT/s) Optional: Intel® Ethernet Controller I350-AM4 quad port GbE PCIe v2.0 (5.0GT/s) (2 rear I/O RJ45 + 2 onboard pin-headers) • Realtek RTL8201EL for BMC dedicated management port
	Graphics	Aspeed AST2400 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp
Input/Output	SATA	8 x SATA 6.0Gb/s
	LAN	<ul style="list-style-type: none"> • 2 x external RJ45 ports support 1GbE • 2 x internal GbE PCIe pin headers (only for AM4 SKU) • 1 x 10/100 Mbps RJ45 dedicated for BMC management
	USB	<ul style="list-style-type: none"> • 2 x USB 3.0 double-stacked Type A connectors • 1 x USB internal pin-header to support 2 x USB 3.0 • 1 x USB internal pin-header to support 2 x USB 2.0
	VGA	<ul style="list-style-type: none"> • 1 x external VGA port • 1 x internal VGA pin-header (share with external VGA port)
	Serial Port	<ul style="list-style-type: none"> • 1 x external DB-9 COM port • 1 x internal COM pin-header
	Others	Debug display pin-header, GPIO port IPMB pin-header, Chassis intrusion, TPM 2.0 onboard



Front View



Features

- Front ventilation for superior cooling
- Front access dual USB ports
- 3 x 4028 fans for CPU cooling
- Short-depth design for space critical application
- Equipped with 250W power supply

Rear View



Specifications

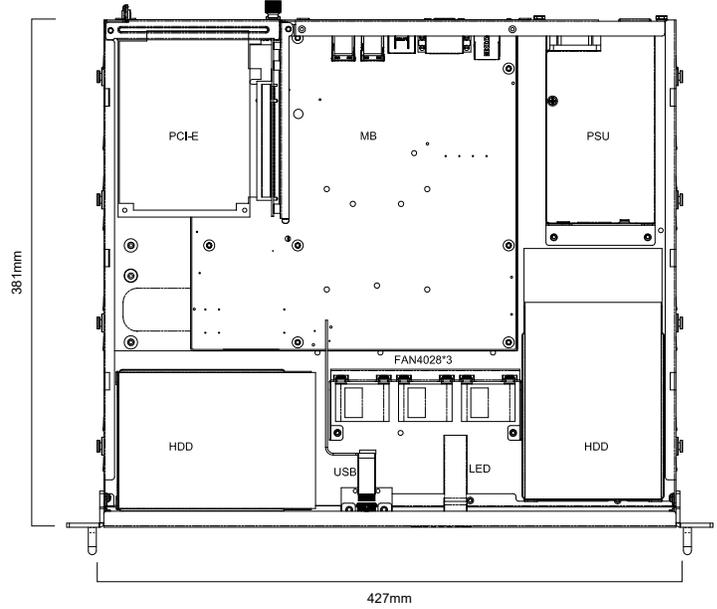
Dimensions (W x D x H)	mm : 427 x 381 x 44.4		
	inches : 16.8 x 15 x 1.75		
Industry Standard	EIA-RS310D		
Material	Heavy-duty preplated SPGC cold-rolled steel		
Color	Front Panel : Black		
Cooling	Standard	3 x 40x28mm fans	
Power Supply	Standard	250W single PSU	
Expansion Slot	1 full height via riser card		
Front Panel	System power on/off, system reset and 2 x USB ports		
LED Indicators	Power LED, HDD LED, LAN 1, LAN 2, alert LED		
System Board	Up to 12"(W) x 9.6"(D) ATX compliant MB		
Drive Bays	Internal	3.5"	2
		2.5"	2 (7mm SSD)

Storage Temperature	0°C(32°F) ~ 50°C(122°F)	
Humidity	5%~95% non-condensing	
Gross Weight	(w/ PSU; w/o Rail)	kgs : 7
		lbs : 15.4
Packaging Dimensions	(W x D x H)	mm : 548 x 574 x 173
		inches : 21.6 x 22.6 x 6.8
Cubic Feet	1.9	
Container Load Quantity	20'	500
	40'	1025
	40' H	1235
Mounting	Options	20"

Top View



(Power supply is optional. Motherboard is not included.)



Ordering Information

SKU Number	Description
XE1-1E001-01	1U, up to 12"(W) x 9.6"(D) ATX, Internal: 2x 3.5", 2x 2.5" 7mm, Front: 2x USB 3.0, 3x 4028mm fan, 1x full-height add-on slot, 250W single power supply, w/o rail, w/o riser, black
XE1-1E001-02	1U, up to 12"(W) x 9.6"(D) ATX, Internal: 2x 3.5", 2x 2.5" 7mm, Front: 2x USB 3.0, 3x 4028mm fan, 1x full-height add-on slot, 250W single power supply, w/o rail, 1x PCIe x8 riser, black
XE1-1E001-04	1U, up to 12"(W) x 9.6"(D) ATX, Internal: 2x 3.5", 2x 2.5" 7mm, Front: 2x USB 3.0, 3x 4028mm fan, 1x full-height add-on slot, w/o power supply, w/o rail, w/o riser, black



Front View



Features

- Front access dual USB ports
- 2 x middle fans + 1 x rear blower fan for superior cooling
- Includes riser card mounting bracket
- 3 x full height or 7 x low profile expansion slots
- Short-depth design for space critical application

Rear View

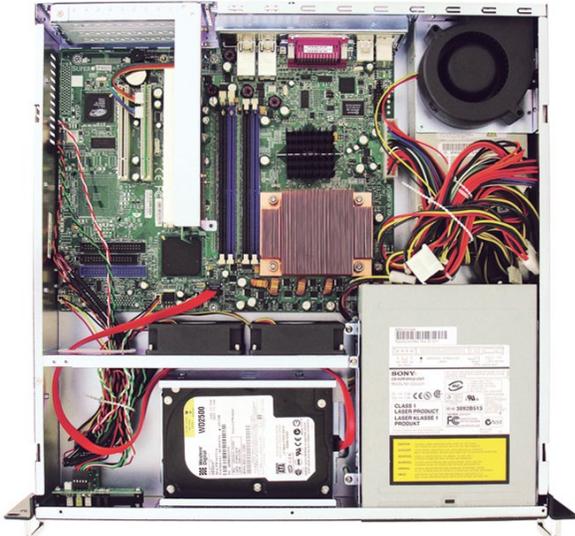


Specifications

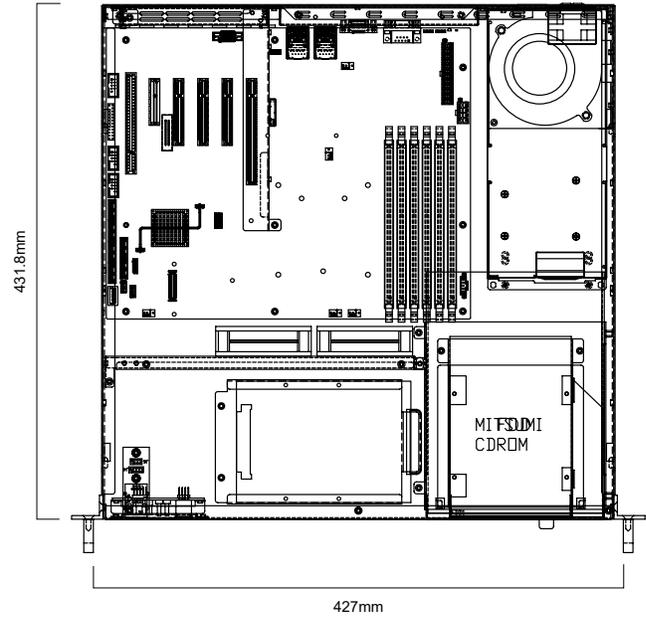
Dimensions (W x D x H)	mm : 427 x 431.8 x 88	
	inches : 16.8 x 17 x 3.5	
Industry Standard	EIA-RS310D	
Material	Heavy-duty cold-rolled steel	
Color	Black	
Cooling	2 x 80x25mm fans	
	1 x 97mm blower (rear)	
Power Supply	Options	1U 300W single PSU
		1U 500W single PSU
Expansion Slots	Options	3 full height via riser card
		7 low profile
Front Panel	System power on/off, system reset and 2 x USB ports	
LED Indicators	Power status, LAN activity and Drive activity	
System Board	Up to 12"(W) x 9.6"(D) ATX compliant MB	

Drive Bays	External	5.25"	1
		3.5"	1
	Internal	3.5"	3
	Peripheral Drive	Slim DVD-ROM	1
Storage Temperature	0°C(32°F) ~ 50°C(122°F)		
Humidity	5%~95% non-condensing		
Gross Weight	(w/ PSU; w/o Rail)	kgs : 12.7	
		lbs : 28	
Packaging Dimensions	(W x D x H)	mm : 588 x 598 x 248	
		inches : 23.1 x 23.5 x 9.8	
Cubic Feet	2.8		
Container Load Quantity	20'	335	
	40'	690	
	40' H	775	
Mounting	Options	20" slide rail	
		26" slide rail	

Top View



(Power supply is optional. Motherboard is not included.)



Ordering Information

SKU Number	Description
XE1-2A000-01	2U with fan, 3 slot PCI rear panel, w/o power supply, w/o rail, black
XE1-2A000-02	2U with fan, 3 slot PCI rear panel, with 300W single power supply, w/o rail, black
XE1-2A000-03	2U with fan, 3 slot PCI rear panel, with 500W single power supply, w/o rail, black
XE1-2A000-04	2U with fan, 7 slot low profile rear panel, with 500W single power supply, w/o rail, black
XE1-2A000-05	7 slot with 300W single power supply



Front View



Features

- Flexible front I/O and rear I/O application options
- 4 x easy swap fans for superior cooling
- Supports GPU card with 2U riser card
- Supports up to 4 x 2.5" external hot swap drive bays
- Includes a redundant PSU 80+ Platinum
- Two front access USB 3.0 ports
- Short-depth design for space critical applications
- Supports 2 post or 4 post rack deployment

Rear View



Specifications

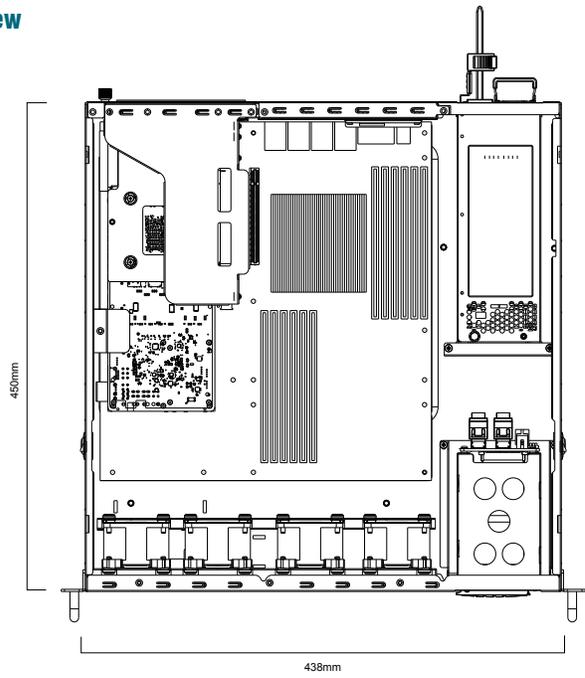
Dimensions (W x D x H)	mm : 438 x 450 x 88	
	inches : 17.2 x 17.7 x 3.5	
Industry Standard	EIA-RS310D	
Material	Heavy-duty preplated SPGC cold-rolled steel	
Color	Black	
Cooling	Standard	4 x 60x38mm easy swap fans
Power Supply	Standard	800W 1+1 redundant PSU 80+ Platinum
Expansion Slot	Standard	1 x PCIe x16 Gen3 single slot + 1 x PCIe x8 Gen4 single slot
	Option	1 x PCIe x16 Gen4 dual slot + 1 x PCIe x8 Gen4 single slot or 7 x low profile slots
Front Panel	System power on/off, system reset and 2 x USB ports	
LED Indicators	Power status, LAN activity and Drive activity	
System Board	Up to 12"(W) x 13"(D) EATX compliant MB	

Drive Bays	External	2.5" hot swap	4
Backplanes	2pcs dual ports SATA BP to support 4 x SATA		
Storage Temperature	0°C(32°F) ~ 50°C(122°F)		
Humidity	5%~95% non-condensing		
Gross Weight	(w/ PSU; w/o Rail)	kgs : 13	
		lbs : 28.5	
Packaging Dimensions	(W x D x H)	mm : 655 x 580 x 244	
		inches : 25.8 x 22.8 x 9.6	
Cubic Feet	3.2		
Container Load Quantity	20'	295	
	40'	625	
	40' H	720	
Mounting	Optional	20" slide rail	

Top View



(Power supply is optional. Motherboard is not included.)



Ordering Information

SKU Number	Description
XE1-2E000-01	2U external 4x 2.5" SATA hot-swap (w/o SATA cable), 4x 6038 fan, 800W 1+1 redundant power supply, 2x full-height slots, 1x low profile slot rear window, with 1x PCIe Gen3 x16 slot riser card, 1x PCIe Gen4 x8 slot riser card, w/o rail
XE1-2E000-02	2U external 4x 2.5" SATA hot-swap (w/o SATA cable), 4x 6038 fan, 800W 1+1 redundant power supply, 2x full-height slots, 1x low profile slot rear window, with 1x PCIe Gen4 x16 slot, 1x PCIe Gen4 x8 slot riser card (shared), 1x PCIe Gen4 x8 slot riser card, w/o rail
XE1-2E000-03	2U external 4x 2.5" SATA hot-swap (w/o SATA cable), 4x 6038 fan, 800W 1+1 redundant power supply, 7 low profile slots rear window, w/o rail



Features

- Front access dual USB ports
- 3 x easy swap middle fans for superior cooling (up to 6 fans)
- Supports single or redundant power supply
- Rear access power supply alarm reset button (For redundant power supply only)
- 3 x full height or 7 x low profile expansion slots

Front View



Front bezel

Rear View



Specifications

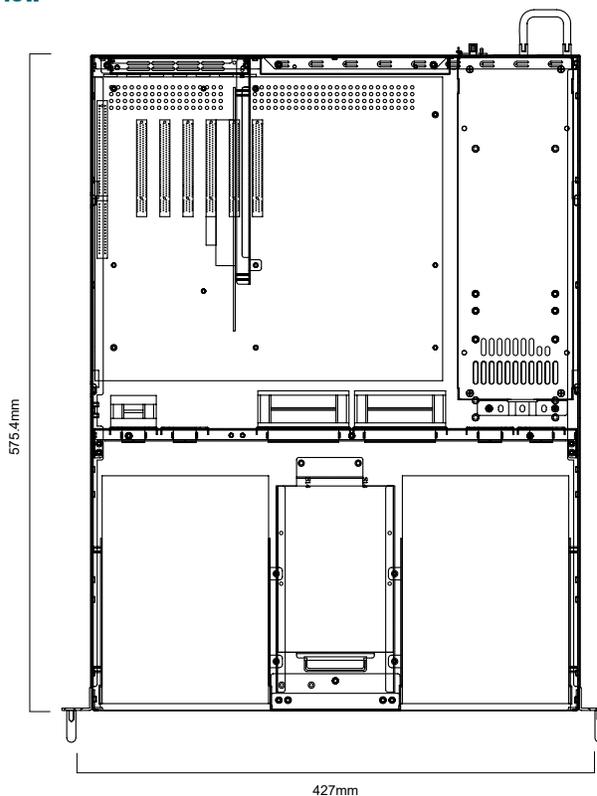
Dimensions (W x D x H)	mm : 427 x 575.4 x 88	
	inches : 16.8 x 22.7 x 3.5	
Industry Standard	EIA-RS310D	
Material	Heavy-duty preplated SPGC cold-rolled steel	
Color	Black	
Cooling	Standard	2 x 80x25mm + 1 x 40x28mm easy swap fans
	Add-on	3 x 40x28mm fans
Power Supply	Options	550W single PSU
		550W 1+1 redundant PSU
Expansion Slots	Options	3 full height via riser card
		7 low profile
Front Panel	System power on/off, system reset and 2 x USB ports	
LED Indicators	Power status, LAN activity and Drive activity	
System Board	Up to 12"(W) x 10.5"(D) ATX/SSI CEB compliant MB	

Drive Bays	External	5.25"	4
		3.5"	1
	Internal	3.5"	1
Storage Temperature	0°C(32°F) ~ 50°C(122°F)		
Humidity	5%~95% non-condensing		
Gross Weight	(w/o PSU & Rail)	kgs : 13	
		lbs : 28.7	
Packaging Dimensions	(W x D x H)	mm : 588 x 764 x 272	
		inches : 23.1 x 30 x 10.7	
Cubic Feet	3.7		
Container Load Quantity	20'	235	
	40'	475	
	40' H	535	
Mounting	Options	20" slide rail	
		26" slide rail	

Top View



(Power supply is optional. Motherboard is not included.)



Ordering Information

SKU Number	Description
XE1-2N000-01	2U with fans, 7 slot low profile rear panel, door, w/o power supply, w/o rail, black



Features

- Support single and redundant power supply
- Easy swap middle fans
- 4 x low profile slots
- Short-depth design for space critical applications

Front View



Front bezel

Rear View



Specifications

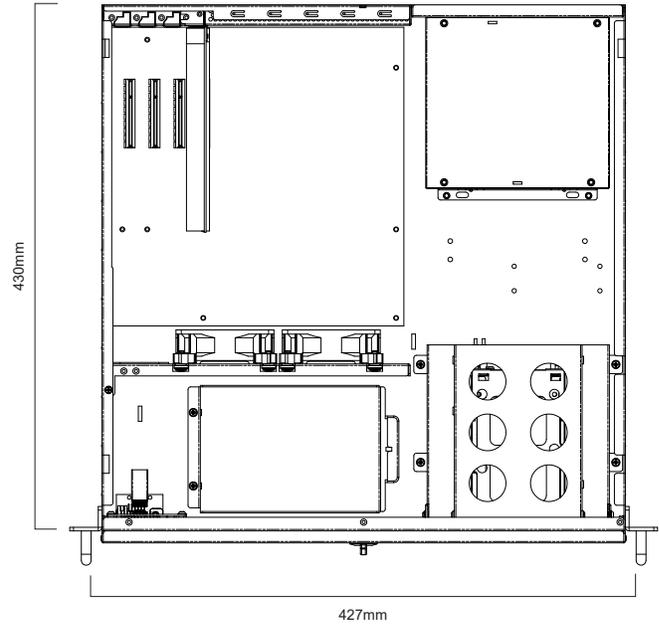
Dimensions (W x D x H)	mm : 427 x 430 x 88		
	inches : 16.8 x 17 x 3.5		
Industry Standard	EIA-RS310D		
Material	SGCC		
Color	Front Panel : Black		
Cooling	2 x 80x25mm (3P) fans		
Power Supply	PS2 type power supply		
Expansion Slots	4 low profile		
Front Panel	System power switch, system reset switch and USB3.0		
LED Indicators	System power, LAN 1, LAN 2 and HDD		
System Board	Up to 9.6" x 9.6" mATX MB		
Drive Bays	External Options	5.25"	1
		3.5"	1
	Internal	3.5"	3

Canister Option	2 bay 7mm HDD canister on 3.5" drive bay	
Storage Temperature	0°C(32°F) ~ 50°C(122°F)	
Humidity	5%~95% non-condensing	
Gross Weight	(w/ PSU & Rail)	kgs : 10
		lbs : 22
Packaging Dimensions	(W x D x H)	mm : 575 x 610 x 228
		inches : 22.6 x 24 x 9
Cubic Feet	2.83	
Container Load Quantity	20'	370
	40'	770
	40' H	850
Mounting	Standard	20" slide rail

Top View



(Power supply is optional. Motherboard is not included.)



Ordering Information

SKU Number	Description
XE1-2S000-01	2 x 8025 fans, single power supply bracket, rear panel, door
XE1-2S000-02	2 x 8025 fans, redundant power supply bracket, rear panel, door
XE1-2S000-03	2 x 8025 fans, 7mm cage, single power supply bracket, rear panel, door
XE1-2S000-04	2 x 8025 fans, 7mm cage, redundant power supply bracket, rear panel, door



Front View



Features

- Front access dual USB ports
- Superior cooling through front air intake
- Supports PS2 power supply
- 2 x middle fans + 1 x rear fan for superior cooling
- 3 x full height or 7 x low profile expansion slots

Rear View



Specifications

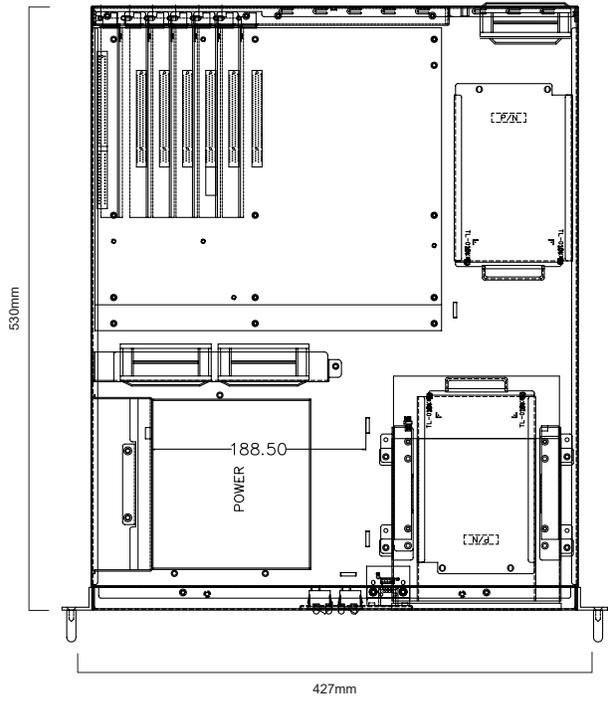
Dimensions (W x D x H)	mm : 427 x 530 x 88	
	inches : 16.8 x 20.9 x 3.5	
Industry Standard	EIA-RS310D	
Material	Heavy-duty preplated SPGC cold-rolled steel	
Color	Front Panel : Black	
Cooling	2 x 80x25mm fans	
	1 x 80x25mm fan (rear)	
Power Supply	PS2 type power supply	
Expansion Slots	Options	3 full height via riser card
		7 low profile
Front Panel	System power on/off, system reset and 2 x USB ports	
LED Indicators	Power status, LAN activity and Drive activity	
System Board	Up to 12"(W) x 10.5"(D) ATX/SSI CEB compliant MB	

Drive Bays	External	5.25"	Standard : 1 x 5.25" + 4 x 3.5"
	Internal	3.5"	Option : 6 x 3.5" by replacing the 5.25" with a 2-bay 3.5" drive cage
Storage Temperature	0°C(32°F) ~ 50°C(122°F)		
Humidity	5%~95% non-condensing		
Gross Weight	(w/o PSU & Rail)	kgs : 8.6	
		lbs : 19	
Packaging Dimensions	(W x D x H)	mm : 570 x 705 x 218	
		inches : 22.4 x 27.6 x 8.6	
Cubic Feet	3.14		
Container Load Quantity	20'	330	
	40'	665	
	40' H	800	
Mounting	Options	20" slide rail	
		26" slide rail	

Top View



(Power supply is optional. Motherboard is not included.)



Ordering Information

SKU Number	Description
XE1-2T000-01	2U with fans, 3x slot PCIe rear panel, Internal USB 3.0 cable, CD-R bracket, HDD bracket, single package, bezel, rail, w/o power supply
XE1-2T000-02	2U with fans, 7 slot low profile rear panel, Internal USB 3.0 cable, CD-R bracket, HDD bracket, single package, rail, w/o power supply



Front View



Features

- Front access dual USB ports
- Superior cooling through front air intake - 2 front fans & 2 rear fans
- 7 x full height expansion slots
- Short-depth design for space critical applications

Rear View



Specifications

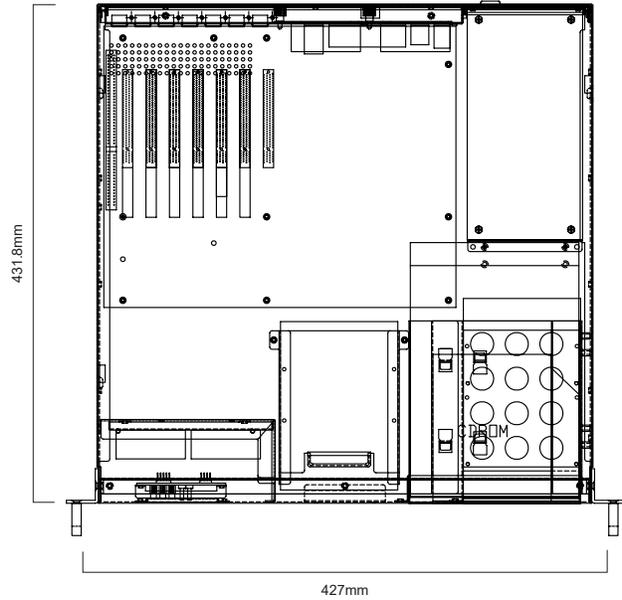
Dimensions (W x D x H)	mm : 427 x 431.8 x 133	
	inches : 16.8 x 17 x 5.2	
Industry Standard	EIA-RS310D	
Material	Heavy-duty cold-rolled steel	
Color	Black	
Cooling	2 x 60x25mm fans (front)	
	2 x 60x25mm easy swap fans (rear)	
Power Supply	Options	550W single PSU
		550W 1+1 redundant PSU
Expansion Slots	7	
Front Panel	System power on/off, system reset and 2 x USB ports	
LED Indicators	Power status, LAN activity and Drive activity	
System Board	Up to 12"(W) x 9.6"(D) ATX compliant MB	

Drive Bays	External	5.25"	1
		3.5"	2
	Internal	3.5"	2
		Peripheral Drive	Slim DVD-ROM
Storage Temperature	0°C(32°F) ~ 50°C(122°F)		
Humidity	5%~95% non-condensing		
Gross Weight	(w/o PSU & Rail)	kgs : 12	
		lbs : 26.4	
Packaging Dimensions	(W x D x H)	mm : 591 x 598 x 321	
		inches : 23.3 x 23.5 x 12.6	
Cubic Feet	4.0		
Container Load Quantity	20'	220	
	40'	460	
	40' H	540	
Mounting	Options	20" slide rail	
		26" slide rail	

Top View



(Power supply is optional. Motherboard is not included.)



Ordering Information

SKU Number	Description
XE1-3A000-01	3U with fans, full height 7 slot rear panel, w/o rail, black



Front View



Front bezel

Features

- Front access dual USB ports
- Supports single or redundant power supply
- 2 x easy swap rear fans for superior cooling
- Rear access power supply alarm reset button (For redundant power supply only)
- 7 x full height expansion slots

Rear View



Specifications

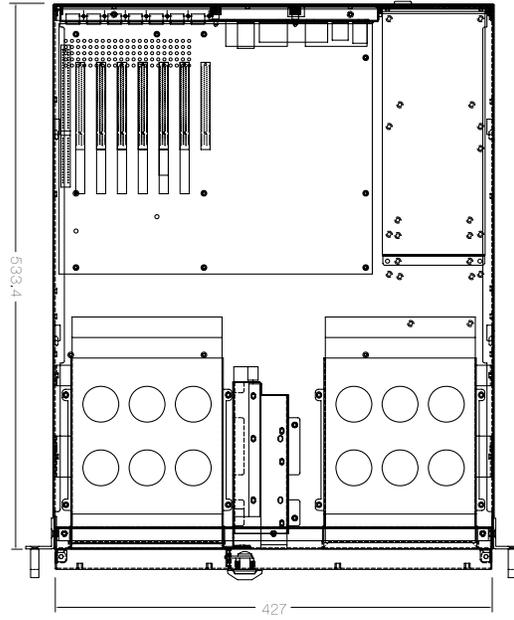
Dimensions (W x D x H)	mm : 427 x 533.4 x 133	
	inches : 16.8 x 21 x 5.2	
Industry Standard	EIA-RS310D	
Material	Heavy-duty preplated SPGC cold-rolled steel	
Color	Front Panel : Black	
Cooling	Standard	2 x 60x25mm easy swap fans (rear)
	Option	2 x 60x38mm fans (rear)
Power Supply	Options	550W single PSU
		550W 1+1 redundant PSU
Expansion Slots	7	
Front Panel	System power on/off, system reset and 2 x USB ports	
LED Indicators	Power status and Drive activity	
System Board	Up to 12"(W) x 10.5"(D) ATX/SSI CEB compliant MB	

Drive Bays	External	5.25"	6
		3.5"	1
	Internal	3.5"	1
Storage Temperature	0°C(32°F) ~ 50°C(122°F)		
Humidity	5%~95% non-condensing		
Gross Weight	(w/o PSU & Rail)	kgs : 15	
		lbs : 33	
Packaging Dimensions	(W x D x H)	mm : 590 x 715 x 306	
		inches : 23.2 x 28.1 x 12	
Cubic Feet	4.3		
Container Load Quantity	20'	220	
	40'	455	
	40' H	485	
Mounting	Options	20" slide rail	
		26" slide rail	

Top View



(Power supply is optional. Motherboard is not included.)



Ordering Information

SKU Number	Description
XE1-3N000-02	3U with fans, full height 7 slot rear panel, steel door, w/o power supply, w/o rail



Front View



Front bezel

Features

- Short-depth design for space critical applications
- Support single and redundant power supply
- 7 x full height expansion slots

Rear View



Specifications

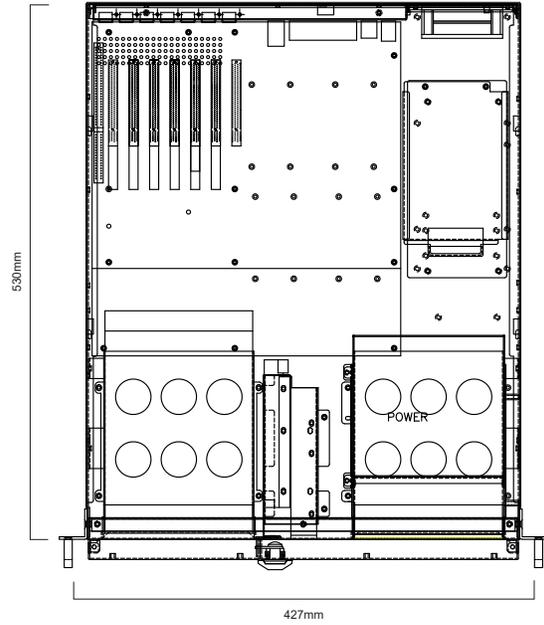
Dimensions (W x D x H)	mm : 427 x 530 x 133		
	inches : 16.8 x 21 x 5.23		
Industry Standard	EIA-RS310D		
Material	SGCC		
Color	Front Panel : Black		
Cooling	2 x 60x25mm (3P) + 1 x 80x25mm (3P) fans		
Power Supply	PS2 type power supply		
Expansion Slot	7 full height		
Front Panel	System power switch, system reset switch and USB 3.0		
LED Indicators	System power and HDD		
System Board	Up to 12" x 9.6" ATX M/B		
Drive Bays	External	5.25"	3
		3.5"	1
	Internal	3.5"	4

Storage Temperature	0°C(32°F) ~ 50°C(122°F)	
Humidity	5%~95% non-condensing	
Gross Weight	(w/ PSU & Rail)	kgs : 14.3
		lbs : 31.5
Packaging Dimensions	(W x D x H)	mm : 590 x 715 x 306
		inches : 23.2 x 28.1 x 12
Cubic Feet	4.65	
Container Load Quantity	20'	220
	40'	455
	40' H	485
Mounting	Standard	20" slide rail

Top View



(Power supply is optional. Motherboard is not included.)



Ordering Information

SKU Number	Description
XE1-3S000-01	3U with fans, full height 7 slot rear panel, with door+key, w/o power supply, w/o rail



Front View



Front bezel

Features

- Front access dual USB ports
- Removable & washable air filter
- Superior cooling through front air intake - 2 x front cooling fans
- Hold down bar to ensure that add-on cards are locked into positions
- PS2 power supply
- Supports both MB and SBC slots

Rear View



Specifications

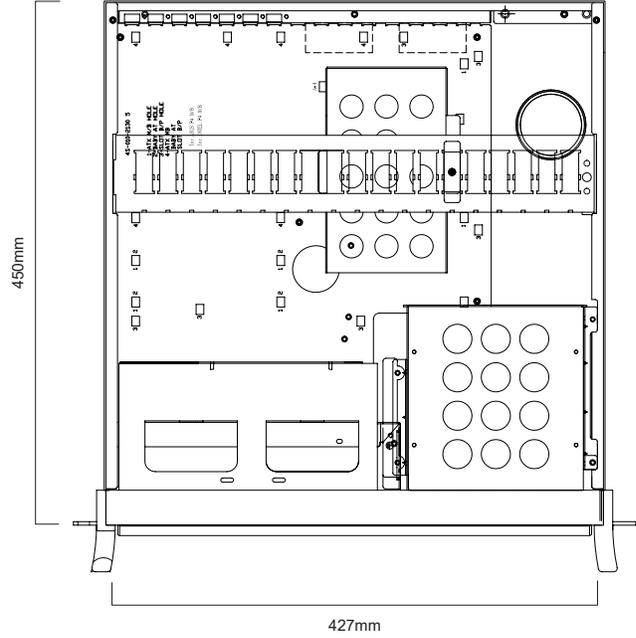
Dimensions (W x D x H)	mm : 427 x 450 x 177	
	inches : 16.8 x 17.7 x 7	
Industry Standard	EIA-RS310D	
Material	Heavy-duty cold-rolled steel	
Color	Black	
Cooling	Standard	2 x 92x25mm fans (front)
	Add-ons	2 x 60x25mm exhaust fans (rear)
		2 x 60x38mm exhaust fans (rear)
Power Supply	PS2 type power supply	
Expansion Slots	MB Version	7
	BP Version	14
Front Panel	System power on/off, system reset and 2 x USB ports	
LED Indicators	Power status and Drive activity	
System Board	MB Version	12"(W) x 9.6"(D) ATX/SSI EEB 3.6 compliant MB
	BP Version	(SBC) 14-slot

Drive Bays	External	5.25"	3
		3.5"	1
	Internal	3.5"	2 (or 4 by adding an option 2-bay 3.5" drive cage)
Storage Temperature	0°C(32°F) ~ 50°C(122°F)		
Humidity	5%~95% non-condensing		
Gross Weight	(w/o PSU & Rail)	kgs : 16	
		lbs : 35.2	
Packaging Dimensions	(W x D x H)	mm : 587 x 625 x 354	
		inches : 23.1 x 24.6 x 14	
Cubic Feet	4.3		
Container Load Quantity	20'	220	
	40'	470	
	40' H	530	
Mounting	Options	20" slide rail	
		26" slide rail	

Top View



(Power supply is optional. Motherboard is not included.)



Ordering Information

SKU Number	Description
XE1-4A000-01	4U with fans, steel door, full height 7 slot rear panel, w/o power supply, black
XE1-4A000-02	4U with fans, aluminum door, full height 7 slot rear panel, w/o power supply, black



Front View



Front bezel

Features

- Front access dual USB ports
- Removable & washable air filter
- Superior cooling through front air intake - 2 x front cooling fans
- Hold down bar to ensure that add-on cards are locked into positions
- PS2 power supply
- Supports both MB and SBC slots

Rear View



Specifications

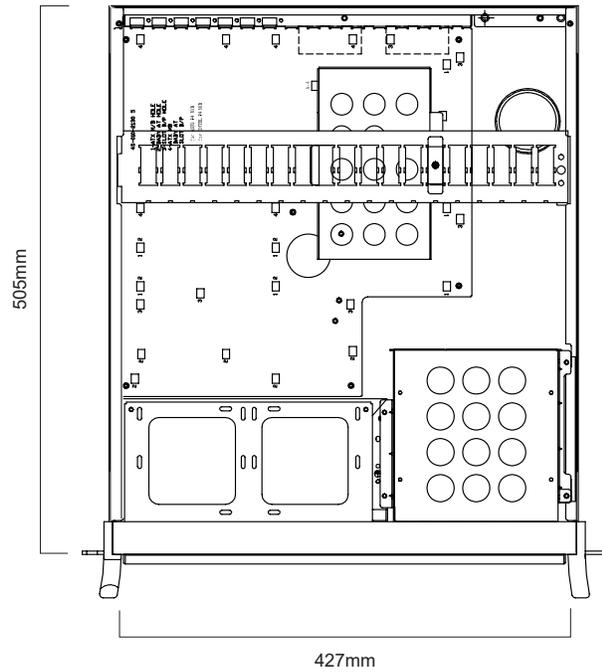
Dimensions (W x D x H)	mm : 427 x 505 x 177	
	inches : 16.8 x 19.9 x 7	
Industry Standard	EIA-RS310D	
Material	Heavy-duty cold-rolled steel	
Color	Black	
Cooling	Standard	2 x 92x25mm fans (front)
	Add-ons	2 x 60x25mm exhaust fans (rear)
		2 x 60x38mm exhaust fans (rear)
Power Supply	PS2 type power supply	
Expansion Slots	MB Version	7
	BP Version	14
Front Panel	System power on/off, system reset and 2 x USB ports	
LED Indicators	Power status and Drive activity	
System Board	MB Version	Up to 12"(W) x 10.5"(D) ATX/SSI CEB compliant MB (or 12"(W) x 13"(D) E-ATX/SSI EEB 3.6 compliant MB by adding an optional MB bracket)
	BP Version	(SBC) 14-slot

Drive Bays	External	5.25"	3
		3.5"	1
	Internal	3.5"	2 (or 4 by adding an option 2-bay 3.5" drive cage)
Storage Temperature	0°C(32°F) ~ 50°C(122°F)		
Humidity	5%~95% non-condensing		
Gross Weight	(w/o PSU & Rail)	kgs : 16	
		lbs : 35.3	
Packaging Dimensions	(W x D x H)	mm : 581 x 665 x 318	
		inches : 22.9 x 26.2 x 12.5	
Cubic Feet	4.4		
Container Load Quantity	20'	230	
	40'	488	
	40'H	556	
Mounting	Options	20" slide rail	
		26" slide rail	

Top View



(Power supply is optional. Motherboard is not included.)

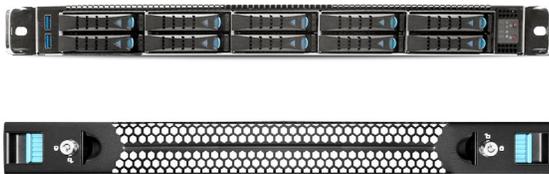


Ordering Information

SKU Number	Description
XE1-4S000-01	4U with fans, steel door, full height 7 slot rear panel, w/o power supply, black
XE1-4S000-02	4U with fans, aluminum door, full height 7 slot rear panel, w/o power supply, black
XE1-4S000-04	4U with fans, steel door, full height 14 slot rear panel, w/o power supply, black
XE1-4S000-03	4U with fans, aluminum door, full height 14 slot rear panel, w/o power supply, black



Front View



Optional item - Front door

Features

- Tool-less design supports quick installation and easy maintenance:
 - Tool-less 2.5" drive trays
 - Tool-less slide rail
- Supports 8 x 12G 2.5" hot swap drive bays + 2 x 6G 2.5" hot swap drive bays
- Supports single and redundant power supplies
- Supports 1 full height expansion slot
- Two front access USB 3.0 ports

Rear View



Specifications

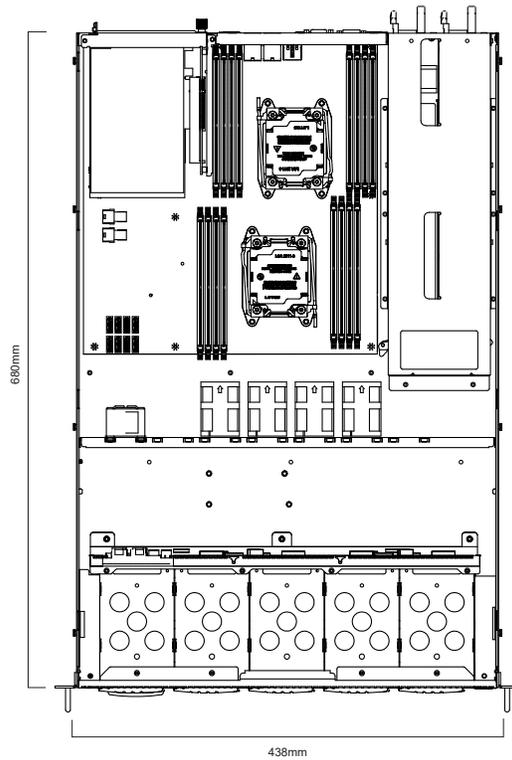
Dimensions (W x D x H)	mm : 438 x 680 x 43.5		
	inches : 17 x 26.8 x 1.72		
Industry Standard	EIA-RS310D		
Material	SGCC		
Color	Front Panel : Black		
Cooling	4 x 40x56mm PWM + 1 x 40x28mm PWM easy swap fans		
Power Supply	500W single PSU		
	Option 650W 1+1 redundant PSU		
Expansion Slot	1 full height		
Front Panel	System power on/off, system reset and 2 x USB 3.0 ports		
LED Indicators	Power, HDD and LAN		
System Board	Up to 12"(W) x 13"(D) EATX MB		
Drive Bays	External	2.5" hot swap	10

Backplanes	2 x 4-port 12Gb with SFF-8643 connector support 12G + 1 x 2-port with SATA connector	
Storage Temperature	0°C(32°F) ~ 50°C(122°F)	
Humidity	5%~95% non-condensing	
Gross Weight	(w/ PSU & Rail)	kgs : 16
		lbs : 35.3
Packaging Dimensions	(W x D x H)	mm : 580 x 915 x 210
		inches : 22.8 x 36 x 8.3
Cubic Feet	3.96	
Container Load Quantity	20'	265
	40'	570
	40' H	620
Mounting	Standard	28" tool-less slide rail

Top View



(Power supply is optional. Motherboard is not included.)

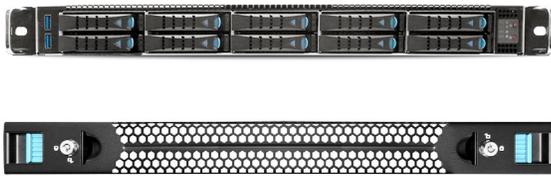


Ordering Information

SKU Number	Description
XE1-1AT00-01	1U 10x 2.5" hot-swap, 2x 12G 4-port backplane, 1x 2-port SATA backplane, 4x 4056 fan+ 1x 4028 fan, Acbel 1U flex 500W single power supply Gold, 28" slide rail
XE1-1AT00-02	1U 10x 2.5" hot-swap, 2x 12G 4-port backplane, 1x 2-port SATA backplane, 4x 4056 fan+ 1x 4028 fan, Acbel 650W redundant power supply Platinum, 28" slide rail



Front View



Optional item - Front door

Features

- Tool-less design supports quick installation and easy maintenance:
 - Tool-less 2.5" drive trays
 - Tool-less slide rail
- Supports 8 x 12G 2.5" hot swap drive bays + 2 x 6G 2.5" hot swap drive bays
- Supports single and redundant power supplies
- Supports 1 full height expansion slot
- Two front access USB 3.0 ports

Rear View



Specifications

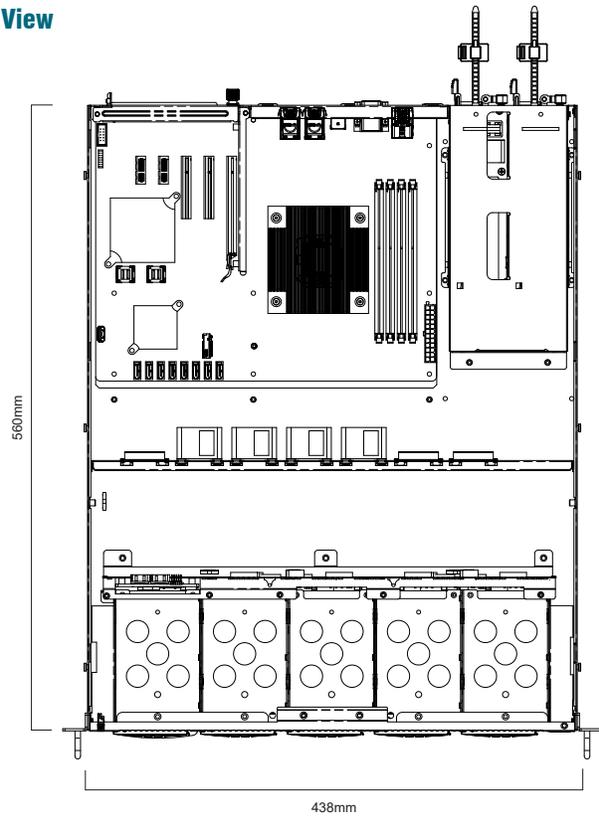
Dimensions (W x D x H)	mm : 438 x 560 x 43.5
	inches : 17 x 21.8 x 1.72
Industry Standard	EIA-RS310D
Material	SGCC
Color	Front Panel : Black
Cooling	4 x 40x28mm PWM easy swap fans
Power Supply	400W single PSU
	Option 300W 1+1 redundant PSU
Expansion Slot	1 full height
Front Panel	System power on/off, system reset and 2 x USB 3.0 ports
LED Indicators	Power, HDD and LAN
System Board	Up to 12"(W) x 9.6"(D) ATX MB

Drive Bays	External	2.5" hot swap	10
Backplanes	2 x 4-port 12Gb with SFF-8643 connector support 12G + 1 x 2-port with SATA connector		
Storage Temperature	0°C(32°F) ~ 50°C(122°F)		
Humidity	5%~95% non-condensing		
Gross Weight	(w/ PSU & Rail)	kgs : 14	
		lbs : 30.9	
Packaging Dimensions	(W x D x H)	mm : 588 x 730 x 178	
		inches : 23.1 x 28.7 x 7	
Cubic Feet	3.65		
Container Load Quantity	20'	275	
	40'	547	
	40' H	657	
Mounting	Standard	28" tool-less slide rail	

Top View



(Power supply is optional. Motherboard is not included.)

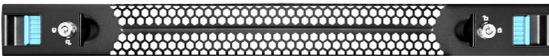


Ordering Information

SKU Number	Description
XE1-1ATS0-01	2x 4-bay SATA/SAS, 1x 2-port SATA backplane, 3x 4056 fan, 1x 4028 fan, Acbel 1U Flex 400W single Platinum, rail



Front View



Optional item - Front door

Features

- Tool-less design supports quick installation and easy maintenance:
 - Tool-less 3.5" & 2.5" drive trays
 - Tool-less slide rail
- Supports 4 x 12G 3.5" hot swap drive bays
- Supports single and redundant power supplies
- Supports 1 full height expansion slot
- Two front access USB 3.0 ports

Rear View

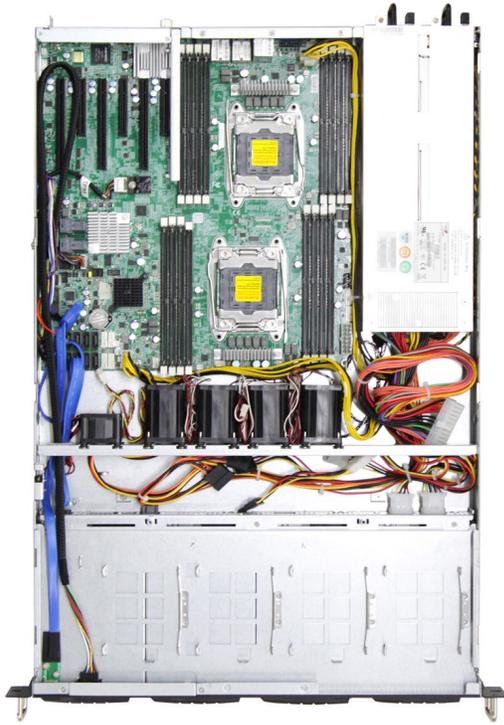


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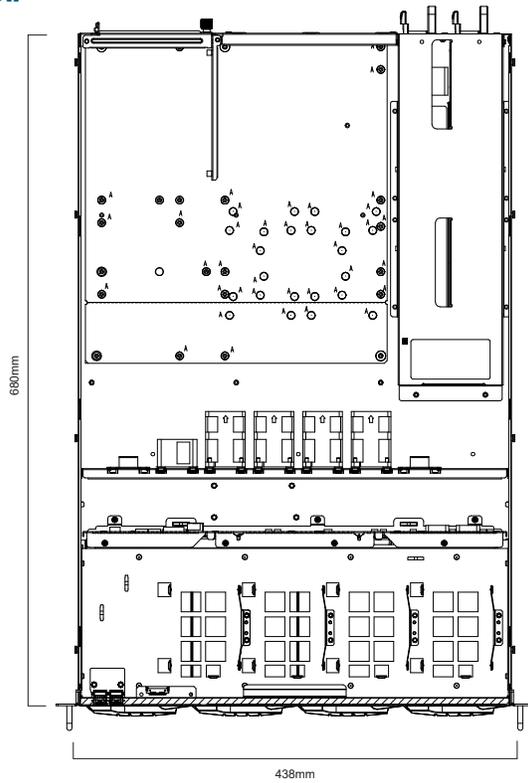
Dimensions (W x D x H)	mm : 438 x 680 x 43.5
	inches : 17 x 26.8 x 1.72
Industry Standard	EIA-RS310D
Material	SGCC
Color	Front Panel : Black
Cooling	4 x 40x56mm PWM + 1 x 40x28mm PWM easy swap fans
Power Supply	500W single PSU
	Option 450W 1+1 redundant PSU
Expansion Slot	1 full height
Front Panel	System power on/off, system reset and 2 x USB 3.0 ports
LED Indicators	Power, HDD and LAN
System Board	Up to 12"(W) x 13"(D) EATX MB

Drive Bays	External	3.5" hot swap	4
	Internal	2.5"	4 (9mm SSD)
Backplanes	4-port with SFF-8643 connector supports 12G		
Storage Temperature	0°C(32°F) ~ 50°C(122°F)		
Humidity	5%~95% non-condensing		
Gross Weight	(w/ PSU & Rail)	kgs : 16	
		lbs : 35.3	
Packaging Dimensions	(W x D x H)	mm : 580 x 915 x 210	
		inches : 22.8 x 36 x 8.3	
Cubic Feet	3.96		
Container Load Quantity	20'	265	
	40'	570	
	40' H	620	
Mounting	Standard	28" tool-less slide rail	

Top View



(Power supply is optional. Motherboard is not included.)

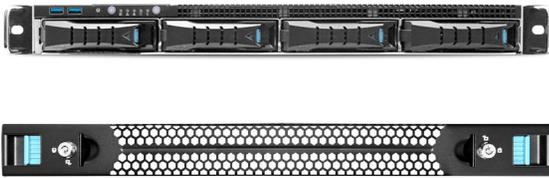


Ordering Information

SKU Number	Description
XE1-1DT00-01	12G 4-port backplane, 4x internal 2.5" 9mm SSD bay, 4x 4056 fan + 1x 4028 fan, Acbel 1U flex 500W single power supply Platinum, rail
XE1-1DT00-02	12G 4-port backplane, 4x internal 2.5" 9mm SSD bay, 4x 4056 fan + 1x 4028 fan, Acbel 1U 450W redundant power supply Platinum, rail



Front View



Optional item - Front door

Features

- Tool-less design supports quick installation and easy maintenance:
 - Tool-less 3.5" & 2.5" drive trays
 - Tool-less slide rail
- Supports 4 x 12G 3.5" hot swap drive bays
- Supports single and redundant power supplies
- Supports 1 full height expansion slot
- Two front access USB 3.0 ports

Rear View

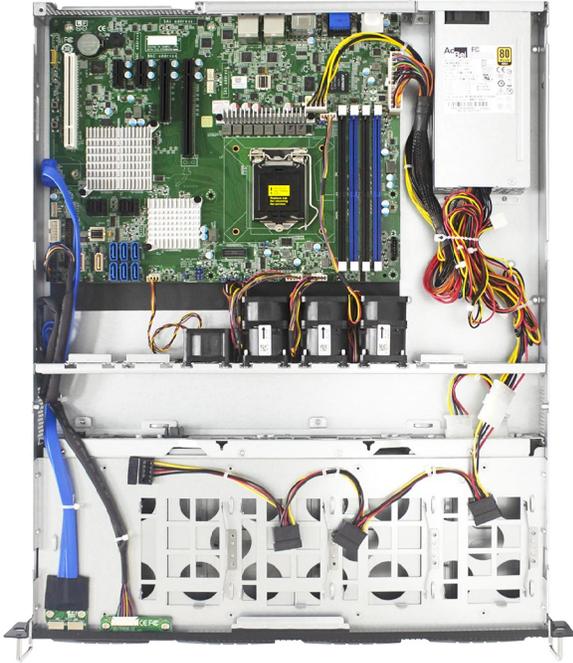


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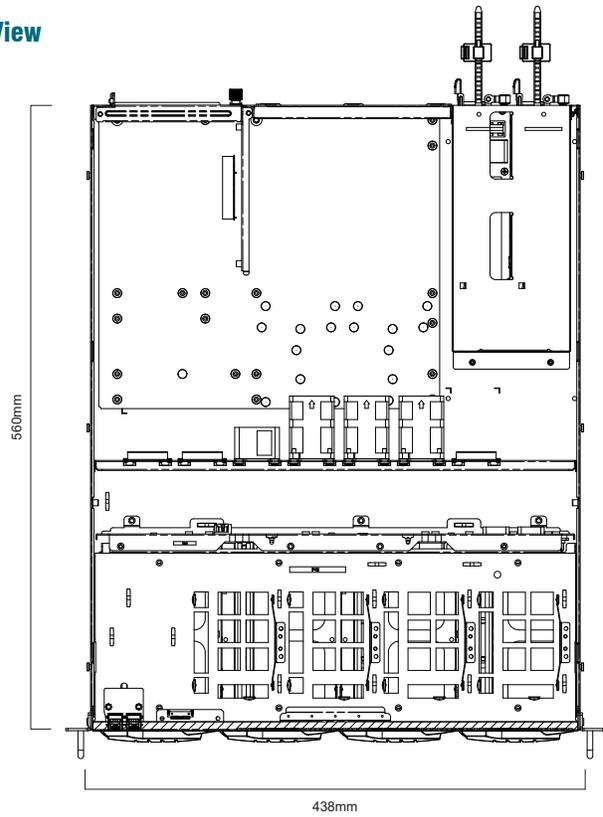
Dimensions (W x D x H)	mm : 438 x 560 x 43.5
	inches : 17 x 22 x 1.72
Industry Standard	EIA-RS310D
Material	SGCC
Color	Front Panel : Black
Cooling	1 x 40x28mm + 3 x 40x56mm PWM easy swap fans
Power Supply	400W single PSU
	Option 300W 1+1 redundant PSU
Expansion Slot	1 full height
Front Panel	System power on/off, system reset and 2 x USB 3.0 ports
LED Indicators	Power, HDD and LAN
System Board	Up to 12"(W) x 9.6"(D) ATX MB

Drive Bays	External	3.5" hot swap	4
	Internal	2.5"	4 (9mm SSD)
Backplanes	4-port with SFF-8643 connector supports 12G		
Storage Temperature	0°C(32°F) ~ 50°C(122°F)		
Humidity	5%~95% non-condensing		
Gross Weight	(w/ PSU & Rail)	kgs : 15.8	
		lbs : 34.8	
Packaging Dimensions	(W x D x H)	mm : 580 x 856 x 208	
		inches : 22.8 x 33.7 x 8.2	
Cubic Feet	3.7		
Container Load Quantity	20'	290	
	40'	600	
	40' H	660	
Mounting	Standard	28" tool-less slide rail	

Top View



(Power supply is optional. Motherboard is not included.)



Ordering Information

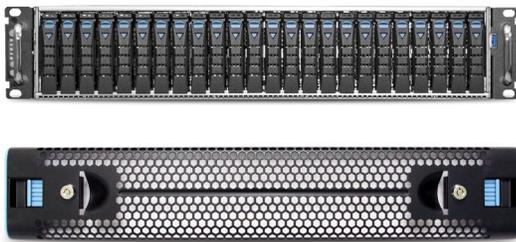
SKU Number	Description
XE1-1DTS0-01	12G 4-port backplane, 4x internal 2.5" 9mm SSD bay, 1x 4028 fan + 3x 4056 fan, Acbel 1U 300W HRP Gold, rail
XE1-1DTS0-02	12G 4-port backplane, 4x internal 2.5" 9mm SSD bay, 1x 4028 fan + 3x 4056 fan, Acbel 1U Flex 400W single Gold, rail



Features

- Tool-less design supports quick installation and easy maintenance:
 - Tool-less 2.5" drive trays
 - Tool-less top covers
 - Tool-less backplane
 - Tool-less slide rails
- 12Gb/s SAS expander chip on backplane
- Specially designed hot swap and low power consumption fans minimize rotational vibration and provide superior cooling
- Comes with a redundant PSU 80+ Platinum

Front View



Optional item - Front door

Rear View



Specifications

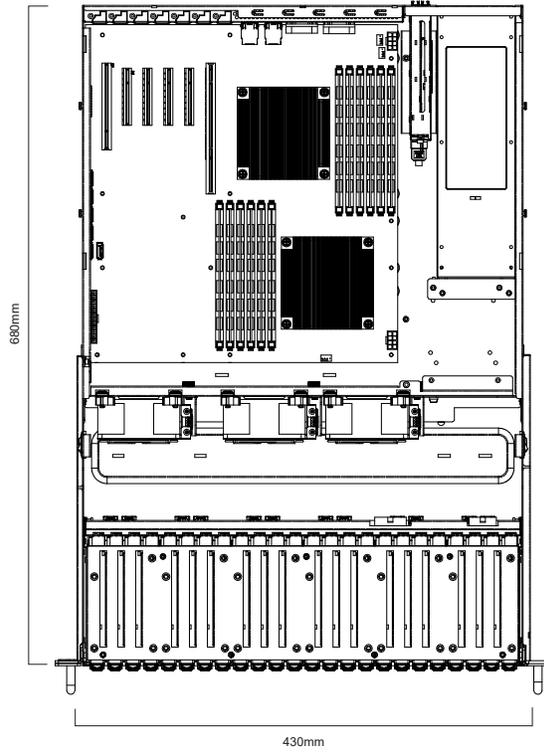
Dimensions (W x D x H)	mm : 430 x 680 x 88		
	inches : 17 x 26.8 x 3.5		
Industry Standard	EIA-RS310D		
Material	Heavy-duty preplated SPGC cold-rolled steel		
Cooling	3 x 80x38mm PWM & low-power consumption hot swap fans		
Power Supply	800W 1+1 redundant PSU PMBus 1.2 80+ Platinum		
Expansion Slots	7 low profile		
Front Panel	System power on/off, system reset and 1 x USB 3.0 port		
LED Indicators	Power, LAN, Drive and Alert		
System Board	12"(W) x 13"(D) E-ATX/SSI EEB 3.6 compliant MB		
Drive Bays	External	2.5" hot swap	24
			2 (7mm, rear)

Backplane	Options	1 x 24-port 12Gb SATA/SAS backplane with 6 SFF-8643 connectors
		1 x 24-port 12Gb SAS backplane with a 36-PHY expander chip and 3 SFF-8643 connectors
Storage Temperature	0°C(32°F) ~ 50°C(122°F)	
Humidity	5%~95% non-condensing	
Gross Weight	(w/ PSU & Rail)	kgs : 24.5
		lbs : 54
Packaging Dimensions	(W x D x H)	mm : 590 x 850 x 290
		inches : 23.2 x 33.5 x 11.4
Cubic Feet	5.14	
Container Load Quantity	20'	200
	40'	430
	40' H	480
Mounting	Standard	28" tool-less slide rail

Top View



(Power supply is optional. Motherboard is not included.)

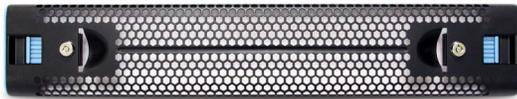


Ordering Information

SKU Number	Description
XE1-2AT00-01	2U 24x 2.5" hot-swap bays, tool-less 2.5" HDD tray, 800W CRPS redundant power supply, 2x 7mm 2.5" hot-swap OS, low profile rear panel, rail, 2U24 SAS 12G expander controller on backplane (3X series)
XE1-2AT00-02	2U 24x 2.5" hot-swap bays, tool-less 2.5" HDD tray, 800W CRPS redundant power supply, 2x 7mm 2.5" hot-swap OS, low profile rear panel, rail, 2U24 SAS 12G passive backplane with 6x SFF-8643 connector



Front View



Optional item - Front door

Features

- Tool-less design supports quick installation and easy maintenance:
 - Tool-less 3.5" & 2.5" drive trays
 - Tool-less top covers
 - Tool-less backplane
 - Tool-less slide rails
- 12Gb/s SAS expander chip on backplane
- Specially designed hot swap and low power consumption fans minimize rotational vibration and provide superior cooling
- 3.5" drive tray comes with 4 screw holes to adapt to 2.5" drive
- Comes with a redundant PSU 80+ Platinum
- One front access USB 3.0 port

Rear View



Specifications

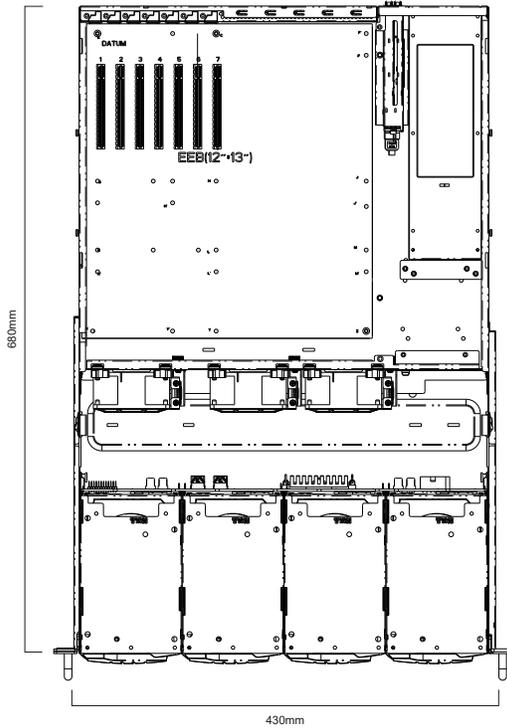
Dimensions (W x D x H)	mm : 430 x 680 x 88		
	inches : 17 x 26.8 x 3.5		
Industry Standard	EIA-RS310D		
Material	Heavy-duty preplated SPGC cold-rolled steel		
Color	Front Panel : Black		
Cooling	3 x 80x38mm PWM & low-power consumption hot swap fans		
Power Supply	800W 1+1 redundant PSU PMBus 1.2 80+ Platinum		
Expansion Slots	7 low profile		
Front Panel	System power on/off, system ID, system reset and 1 x USB 3.0 port		
LED Indicators	Power, LAN, Drive, Alert and ID		
System Board	12"(W) x 13"(D) E-ATX/SSI EEB 3.6 compliant MB		
Drive Bays	External	3.5" hot swap	12
		2.5" hot swap	Options: • 2 x 2.5" (7mm) hot swap • 2 x 2.5" (15mm) internal
	Internal	2.5"	

Backplane	Options	1 x 12-port 12Gb SATA/SAS backplane with 28-PHY expander chip and 3 SFF-8643 connectors
		1 x 12-port SATA/SAS backplane with 3 x SFF-8643 connectors
Storage Temperature	0°C(32°F) ~ 50°C(122°F)	
Humidity	5%~95% non-condensing	
Gross Weight	(w/ PSU & Rail)	kgs : 23.5
		lbs : 51.8
Packaging Dimensions	(W x D x H)	mm : 645 x 835 x 224
		inches : 25.4 x 32.9 x 8.8
Cubic Feet	5.38	
Container Load Quantity	20'	200
	40'	420
	40' H	450
Mounting	Standard	28" tool-less slide rail

Top View



(Power supply is optional. Motherboard is not included.)



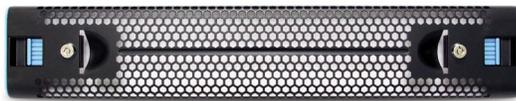
Ordering Information

SKU Number	Description
XE1-2ET00-01	2U 12x 3.5" hot-swap bays, tool-less 3.5" and 2.5" HDD tray, 550W CRPS redundant power supply, 2x 7mm 2.5" hot-swap OS, low profile rear panel, rail, 2U12 SAS 12G expander controller on backplane (3X series)
XE1-2ET00-02	2U 12x 3.5" hot-swap bays, tool-less 3.5" and 2.5" HDD tray, 800W CRPS redundant power supply, 2x 7mm 2.5" hot-swap OS, low profile rear panel, rail, 2U12 SAS 12G expander controller on backplane (3X series)
XE1-2ET00-03	2U 12x 3.5" hot-swap bays, tool-less 3.5" and 2.5" HDD tray, 800W CRPS redundant power supply, 2x 7mm 2.5" hot-swap OS, low profile rear panel, rail, 2U12 SAS 12G passive backplane support 4x NVMe
XE1-2ET00-04	2U 12x 3.5" hot-swap bays, tool-less 3.5" and 2.5" HDD tray, 550W CRPS redundant power supply, 2x 7mm 2.5" hot-swap OS, low profile rear panel, rail, 2U12 SAS 12G passive backplane
XE1-2ET00-05	2U 12x 3.5" hot-swap bays, tool-less 3.5" and 2.5" HDD Tray, 800W CRPS redundant power supply, 2x 7mm 2.5" hot-swap OS, low profile rear panel, rail, 2U12 SAS 12G passive backplane

RSC-2ET



Front View



Optional item - Front door

Features

- Tool-less design supports quick installation and easy maintenance:
 - Tool-less 3.5" & 2.5" drive trays
 - Tool-less top covers
 - Tool-less backplane
 - Tool-less slide rails
- 12Gb/s SAS expander chip on backplane
- Supports power cycling on single drive
- Specially designed hot swap and low power consumption fans minimize rotational vibration and provide superior cooling
- 3.5" drive tray comes with 4 screw holes to adapt to 2.5" drive
- Comes with a redundant PSU 80+ Platinum
- One front access USB 3.0 port

Rear View



Specifications

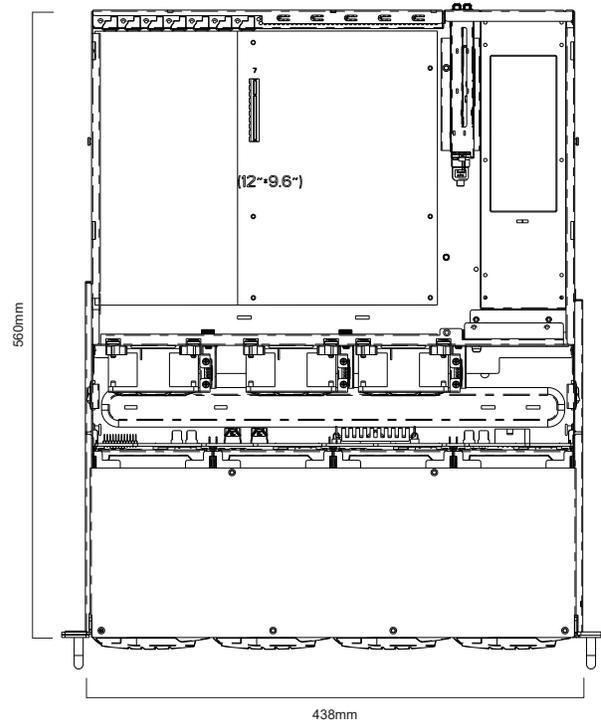
Dimensions (W x D x H)	mm : 430 x 560 x 88		
	inches : 17 x 22 x 3.5		
Industry Standard	EIA-RS310D		
Material	Heavy-duty preplated SPGC cold-rolled steel		
Color	Front Panel : Black		
Cooling	3 x 80x38mm PWM & low-power consumption hot swap fans		
Power Supply	550W 1+1 redundant power supply PMBus 1.2 80+ Platinum		
Expansion Slots	7 low profile		
Front Panel	System power on/off, system reset and 1 x USB 3.0 port		
LED Indicators	Power, LAN, Drive and Alert		
System Board	12"(W) x 9.6"(D) ATX		
Drive Bays	External	3.5" hot swap	12
		2.5" hot swap	Options: • 2 x 2.5" (7mm) hot swap • 1 x 2.5" (15mm) internal
	Internal	2.5"	

Backplane	Options	1 x 12-port 12Gb SATA/SAS backplane with 28-PHY expander chip and 3 SFF-8643 connectors
		1 x 12-port SATA/SAS backplane with 3 x SFF-8643 connectors
Storage Temperature	0°C(32°F) ~ 50°C(122°F)	
Humidity	5%~95% non-condensing	
Gross Weight	(w/ PSU & Rail)	kgs : 23.5
		lbs : 51.8
Packaging Dimensions	(W x D x H)	mm : 645 x 835 x 224
		inches : 25.4 x 32.9 x 8.8
Cubic Feet	5.38	
Container Load Quantity	20'	200
	40'	420
	40' H	450
Mounting	Standard	28" tool-less slide rail

Top View



(Power supply is optional. Motherboard is not included.)

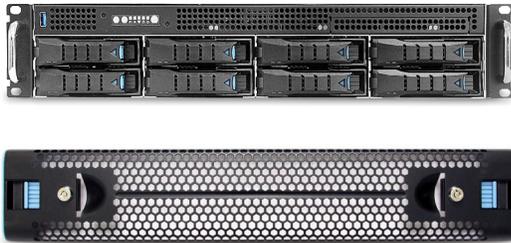


Ordering Information

SKU Number	Description
XE1-2ETS0-01	2U 12x 3.5" hot-swap bays, tool-less 3.5" and 2.5" HDD tray, 550W CRPS redundant power supply, 2x 7mm 2.5" hot-swap OS, low profile rear panel, rail, 2U12 SAS 12G expander controller on backplane (3X series)
XE1-2ETS0-02	2U 12x 3.5" hot-swap bays, tool-less 3.5" and 2.5" HDD tray, 550W CRPS redundant power supply, 2x 7mm 2.5" hot-swap OS, low profile rear panel, rail, 2U12 SAS 12G passive backplane



Front View



Optional item - Front door

Features

- High-density design for space saving
- Hot swap design for maintenance and management
- Supports 8 x 12Gb/s 3.5" hot swap drive bays
- Supports 4 x 12Gb/s 2.5" OS drive or 2 x 12Gb/s 2.5" OS drive with 1 x slim CD-Rom option
- Tool-less drive trays for 3.5" & 2.5" HDD
- Supports single and redundant power supplies
- 7 x low profile slots
- Front access USB 3.0 port

Rear View



Specifications

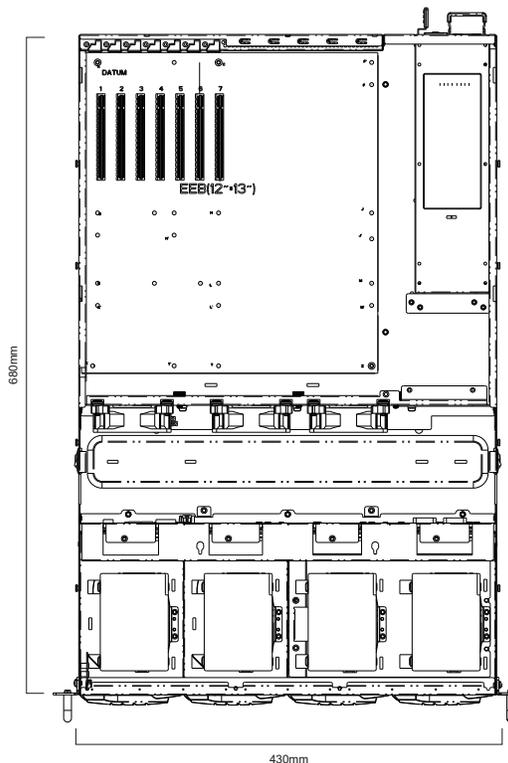
Dimensions (W x D x H)	mm : 430 x 680 x 88		
	inches : 17 x 26.8 x 3.5		
Industry Standard	EIA-RS310D		
Material	Heavy-duty preplated SPGC cold-rolled steel		
Color	Front Panel : Black		
Cooling	3 x 80x25mm PWM easy swap fans		
Power Supply	550W 1+1 redundant power supply PMBus 1.2 80+ Platinum		
	Options	<ul style="list-style-type: none"> • 2U 550W single • 2U 800W 1+1 redundant PSU 	
Expansion Slots	7 low profile		
Front Panel	System power on/off, system reset and 1 x USB 3.0 port		
LED Indicators	Power, LAN, Drive and Alert		
System Board	12"(W) x 13"(D) E-ATX MB		
Drive Bays	External	3.5" hot swap	8
		2.5" hot swap	Option: 2 x 2.5" (7mm)
	Internal	2.5"	Options:
	Peripheral Drive	Slim DVD-ROM	<ul style="list-style-type: none"> • 4 x 2.5" internal • 2 x 2.5" internal and 1 x slim DVD-Rom

Backplane	2 x 4-port 12Gb SATA/SAS backplanes with SFF-8643 connector	
Storage Temperature	0°C(32°F) ~ 50°C(122°F)	
Humidity	5%~95% non-condensing	
Gross Weight	(w/ PSU & Rail)	kgs : 20.5
		lbs : 45
Packaging Dimensions	(W x D x H)	mm : 645 x 835 x 234
		inches : 25.4 x 32.9 x 9.2
Cubic Feet	3.98	
Container Load Quantity	20'	180
	40'	360
	40' H	400
Mounting	Standard	28" tool-less slide rail

Top View



(Power supply is optional. Motherboard is not included.)



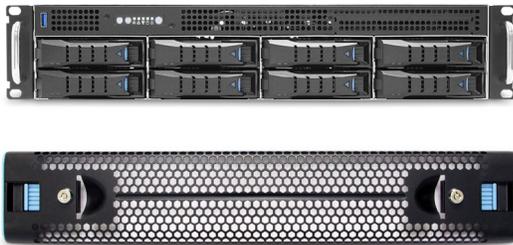
Ordering Information

SKU Number	Description
XE1-2KT00-03	2U 8x 3.5" hot-swap bays, tool-less 3.5" and 2.5" HDD tray, 550W CRPS redundant power supply, 2x top plate HDD + CD-ROM plate, rail, 2x 4-port 12Gb SATA/SAS backplane
XE1-2KT00-04	2U 8x 3.5" hot-swap bays, tool-less 3.5" and 2.5" HDD tray, 550W CRPS redundant power supply, 2x top plate HDD + 2x 2.5" OS plate, rail, 2x 4-port 12Gb SATA/SAS backplane
XE1-2KT00-06	2U 8x 3.5" hot-swap bays, tool-less 3.5" and 2.5" HDD tray, 550W CRPS redundant power supply, 2x top plate HDD + 2x 2.5" OS plate, 2x 7mm 2.5" hot-swap OS, rail, 2x 4-port 12Gb SATA/SAS backplane
XE1-2KT00-07	2U 8x 3.5" hot-swap bays, tool-less 3.5" and 2.5" HDD tray, 800W CRPS redundant power supply, 2x top plate HDD + CD-ROM plate, 2x 7mm 2.5" hot-swap OS, rail, 2x 4-port 12Gb SATA/SAS backplane
XE1-2KT00-08	2U 8x 3.5" hot-swap bays, tool-less 3.5" and 2.5" HDD tray, 550W CRPS redundant power supply, 2x top plate HDD only, rail, 2x 4-port 12Gb SATA/SAS backplane
XE1-2KT00-09	2U 8x 3.5" hot-swap bays, tool-less 3.5" and 2.5" HDD tray, 650W single power supply, 2x top plate HDD only, rail, 2x 4-port 12Gb SATA/SAS backplane
XE1-2KT00-10	2U 8x 3.5" hot-swap bays, tool-less 3.5" and 2.5" HDD tray, 800W CRPS redundant power supply, 2x top plate HDD + 2x 2.5" OS plate, 2x 7mm 2.5" hot-swap OS, rail, 2x 4-port 12Gb SATA/SAS backplane

RSC-2KT



Front View



Optional item - Front door

Features

- Tool-less design supports quick installation and easy maintenance:
 - Tool-less 3.5" & 2.5" drive trays
 - Tool-less top covers
 - Tool-less slide rails
- Supports power cycling on single drive
- Specially designed hot swap and low power consumption fans minimize rotational vibration and provide superior cooling
- 3.5" drive tray comes with 4 screw holes to adapt to 2.5" drive
- Comes with a redundant PSU 80+ Platinum
- One front access USB 3.0 port

Rear View



Specifications

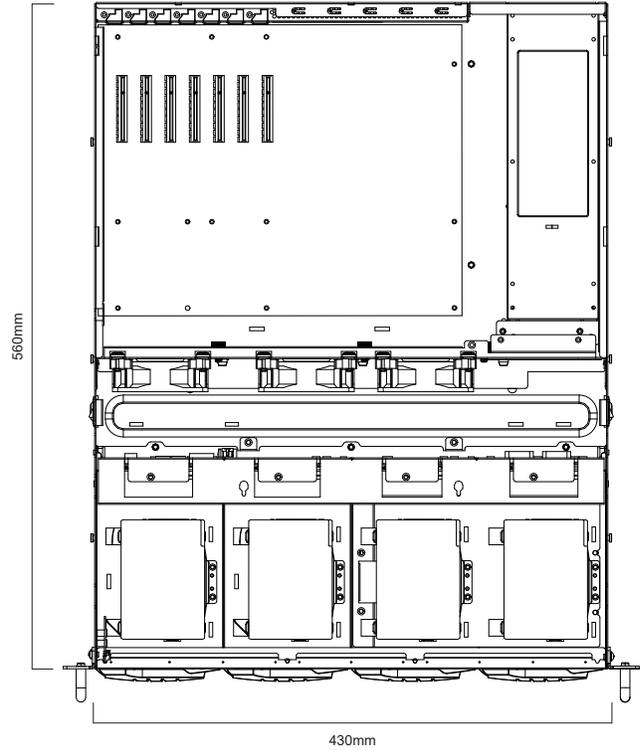
Dimensions (W x D x H)	mm : 430 x 560 x 88		
	inches : 17 x 22 x 3.5		
Industry Standard	EIA-RS310D		
Material	Heavy-duty preplated SPGC cold-rolled steel		
Color	Front Panel : Black		
Cooling	3 x 80x25mm PWM cooling fans		
Power Supply	2U 550W single		
	Options	<ul style="list-style-type: none"> • 2U 550W 1+1 redundant power supply Platinum • 2U 800W 1+1 redundant power supply Platinum 	
Expansion Slots	7 low profile		
Front Panel	System power on/off, system reset, 1 x USB 3.0 port and UID S/W		
LED Indicators	Power, LAN, Drive, Alert and UID		
System Board	Up to 12" x 9.6" ATX / SSI EEB 3.6 compliant MB		
Drive Bays	External	3.5" hot swap	8
		Optional *For XE1-2KTS0-02 / XE1-2KTS0-03	• 2 x 2.5" hot swap (7mm)
	Internal	2.5"	2 (15mm)
		Optional *For all SKUs	<ul style="list-style-type: none"> • 2 x 2.5" (15mm) • 1 x slim DVD-Rom

Backplane	2 x 4-port SATA/SAS backplanes with SFF-8643 connector	
Storage Temperature	0°C(32°F) ~ 50°C(122°F)	
Humidity	5%~95% non-condensing	
Gross Weight	(w/ PSU & Rail)	kgs : 23.5
		lbs : 51.8
Packaging Dimensions	(W x D x H)	mm : 645 x 835 x 224
		inches : 25.4 x 32.9 x 8.8
Cubic Feet	5.38	
Container Load Quantity	20'	200
	40'	420
	40' H	450
Mounting	Standard	28" tool-less slide rail

Top View



(Power supply is optional. Motherboard is not included.)

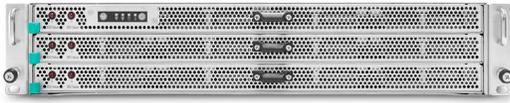


Ordering Information

SKU Number	Description
XE1-2KTS0-01	2U 8x 3.5" hot-swap bays, tool-less 3.5" and 2.5" HDD tray, 550W 2U single power supply, rail, 2x 4-port 12Gb SATA/SAS backplane with SFF-8643 connector
XE1-2KTS0-02	2U 8x 3.5" hot-swap bays, tool-less 3.5" and 2.5" HDD tray, 550W CRPS redundant power supply, 2x 7mm 2.5" hot-swap OS, rail, 2x 4-port 12Gb SATA/SAS backplane with SFF-8643 connector
XE1-2KTS0-03	2U 8x 3.5" hot-swap bays, tool-less 3.5" and 2.5" HDD tray, 800W CRPS redundant power supply, 2x 7mm 2.5" hot-swap OS, rail, 2x 4-port 12Gb SATA/SAS backplane with SFF-8643 connector



Front View



Features

- Tool-less design, support quick installation and maintenance (HDD)
- High-density storage server solution in 2U
- 3 drawers to load up to 24 hot swap drives
- Tool-less 3.5" & 2.5" drive trays
- Silicon gaskets to absorb vibration from the sides of the drives

Rear View

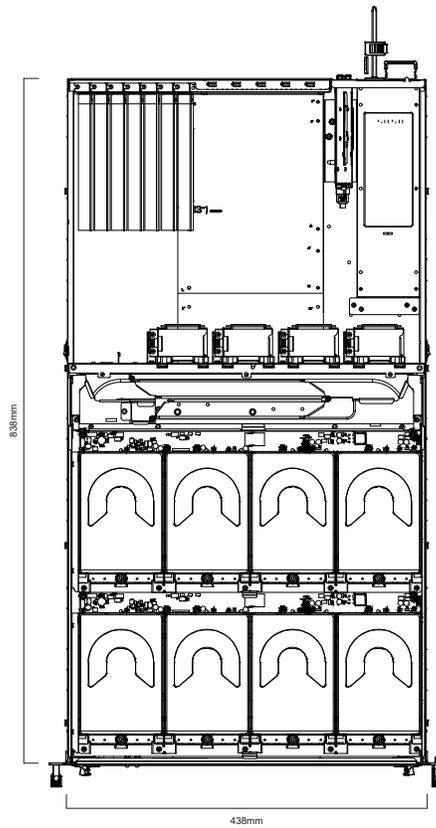
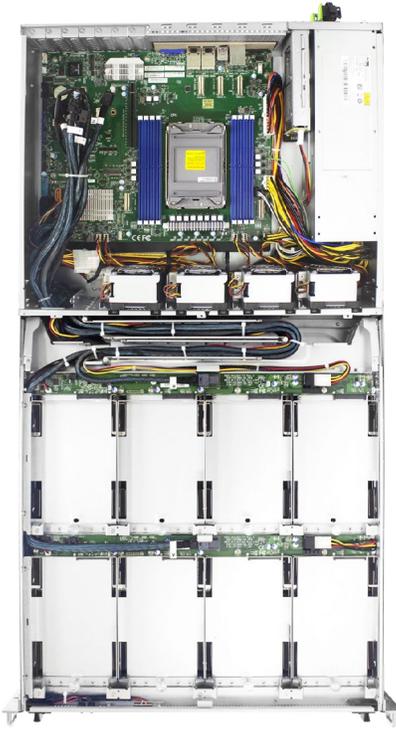


Specifications

Dimensions (W x D x H)	mm : 438 x 838 x 88		
	inches : 17.2 x 33 x 3.46		
Industry Standard	EIA-RS310D		
Material	SGCC		
Color	Front Panel : No coating		
Cooling	4 x 60x38mm PWM fans		
Power Supply	800W 1+1 redundant PSU PMBus 1.2 80+ Platinum		
Expansion Slots	7 low profile		
Front Panel	System power switch and system reset switch		
LED Indicators	System power, HDD, LAN 1 and LAN 2		
System Board	Up to 12" x 10.5" ATX M/B		
Drive Bays	Internal	3.5" hot swap	24
	External	2.5" hot swap	2 (7mm SSD)

Backplanes	6 x 4-port SATA/SAS backplanes with SFF-8643 connectors	
Storage Temperature	0°C(32°F) ~ 50°C(122°F)	
Humidity	5%~95% non-condensing	
Gross Weight	(w/ PSU & Rail)	kgs : 31
		lbs : 68.35
Packaging Dimensions	(W x D x H)	mm : 605 x 1140 x 318
		inches : 23.8 x 35 x 12.5
Cubic Feet	7.9	
Container Load Quantity	20'	126
	40'	266
	40' H	304
Mounting	Standard	33" slide rail

Top View



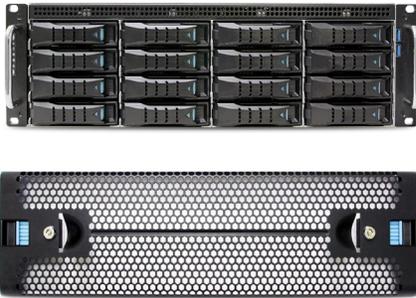
(Power supply is optional. Motherboard is not included.)

Ordering Information

SKU Number	Description
XE1-2MS00-02	2U chassis 24x 3.5" SAS/SATA hot-swap, 2x 2.5" 7mm SATA hot-swap, 4x 6038 fan module, Acbel 800W redundant power supply, with 6x mini-SAS HD cable (for RAID adapter connection to 24x 3.5" hot-swap), with slide rail
XE1-2MS00-03	2U chassis 24x 3.5" SAS/SATA hot-swap, 2x 2.5" SATA hot-swap, 2x 2.5" NVMe SATA hot-swap, 4x 6038 fan module, 3Y 1U 600W redundant power supply, with 6x mini-SAS HD cable (for RAID adapter connection to 24x 3.5" hot-swap), with slide rail



Front View



Optional item - Front door

Features

- Tool-less design supports quick installation and easy maintenance:
 - Tool-less 3.5" & 2.5" drive trays
 - Tool-less top covers
 - Tool-less backplane
 - Tool-less slide rails
- 12Gb/s SAS expander chip on backplane
- Specially designed hot swap and low power consumption fans minimize rotational vibration and provide superior cooling
- 3.5" drive tray comes with 4 screw holes to adapt to 2.5" drive
- Comes with a redundant PSU 80+ Platinum
- Two front access USB 3.0 ports

Rear View

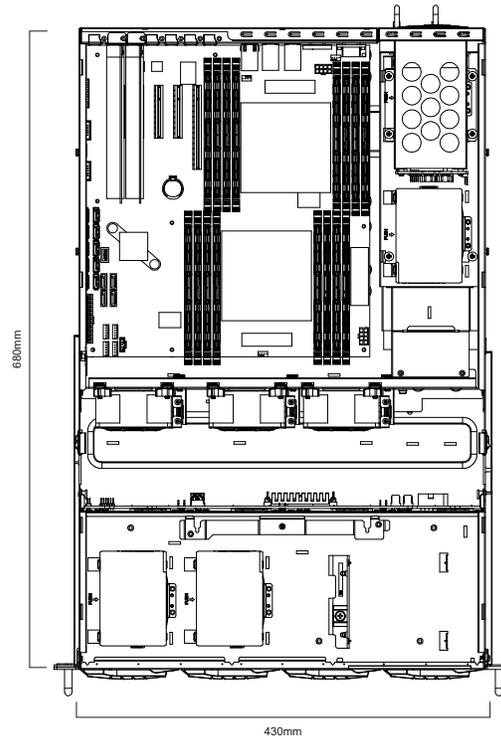


Specifications

Dimensions (W x D x H)	mm : 430 x 680 x 133		
	inches : 17 x 26.8 x 5.2		
Industry Standard	EIA-RS310D		
Material	Heavy-duty preplated SPGC cold-rolled steel		
Color	Front Panel : Black		
Cooling	3 x 80x38mm PWM & low-power consumption hot swap fans		
Power Supply	800W 1+1 redundant PSU PMBus 1.2 80+ Platinum		
Expansion Slots	7		
Front Panel	System power on/off, system reset and 2 x USB 3.0 ports		
LED Indicators	Power, LAN, Drive and Alert		
System Board	12"(W) x 13"(D) E-ATX/SSI EEB 3.6 compliant MB		
Drive Bays	External	3.5" hot swap	16
	Internal	2.5"	Options : • 6 x 2.5" internal • 4 x 2.5" internal and 2 x 2.5" hot swap • 4 x 2.5" internal and 1 x Slim DVD-ROM • 2 x 2.5" internal, 2 x 2.5" hot swap and 1 x Slim DVD-ROM
	Peripheral Drive	Slim DVD-ROM	

Backplane	1 x 16-port 12Gb SATA/SAS backplane with 28-PHY expander chip and 3 SFF-8643 connectors	
Storage Temperature	0°C(32°F) ~ 50°C(122°F)	
Humidity	5%~95% non-condensing	
Gross Weight	(w/ PSU & Rail)	kgs : 34
		lbs : 75
Packaging Dimensions	(W x D x H)	mm : 645 x 835 x 268
		inches : 25.4 x 32.9 x 10.6
Cubic Feet	6.03	
Container Load Quantity	20'	170
	40'	355
	40' H	405
Mounting	Standard	28" tool-less slide rail

Top View



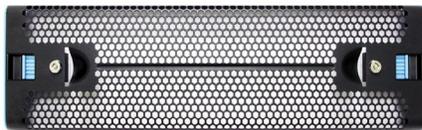
(Power supply is optional. Motherboard is not included.)

Ordering Information

SKU Number	Description
XE1-3ET00-01	3U 16x 3.5" hot-swap bays, tool-less 3.5" and 2.5" HDD tray, 800W CRPS redundant power supply, 4x 2.5" internal SSD top plate, 2x 2.5" hot-swap OS, rail, 3U16 SAS 12G expander controller on backplane (3X series)
XE1-3ET00-02	3U 16x 3.5" hot-swap bays, tool-less 3.5" and 2.5" HDD tray, 800W CRPS redundant power supply, 4x 2.5" internal SSD top plate, 2x 2.5" hot-swap OS, rail, 3U16 SAS 12G passive backplane support 4x NVMe
XE1-3ET00-03	3U 16x 3.5" hot-swap bays, tool-less 3.5" and 2.5" HDD tray, 800W CRPS redundant power supply, 4x 2.5" internal SSD top plate, 2x 2.5" HDD internal OS, rail, 3U16 SAS 12G expander controller on backplane (3X series)



Front View



Optional item - Front door

Features

- Tool-less design supports quick installation and easy maintenance:
 - Tool-less 3.5" & 2.5" drive trays
 - Tool-less top covers
 - Tool-less backplane
 - Tool-less slide rails
- 12Gb/s SAS expander chip on backplane
- Specially designed hot swap and low power consumption fans minimize rotational vibration and provide superior cooling
- 3.5" drive tray comes with 4 screw holes to adapt to 2.5" drive
- Comes with a redundant PSU 80+ Platinum
- Two front access USB 3.0 ports

Rear View



Specifications

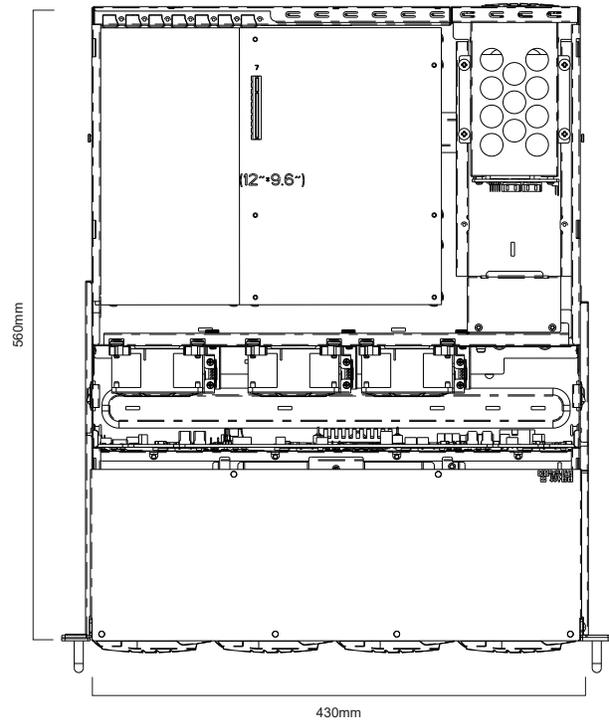
Dimensions (W x D x H)	mm : 430 x 560 x 133		
	inches : 17 x 22 x 5.2		
Industry Standard	EIA-RS310D		
Material	Heavy-duty preplated SPGC cold-rolled steel		
Color	Front Panel : Black		
Cooling	3 x 80x38mm PWM & low-power consumption hot swap fans		
Power Supply	800W 1+1 redundant PSU PMBus 1.2 80+ Platinum		
Expansion Slots	7		
Front Panel	System power on/off, system reset and 2 x USB 3.0 ports		
LED Indicators	Power, LAN, Drive and Alert		
System Board	12"(W) x 9.6"(D) ATX		
Drive Bays	External	3.5" hot swap	16
	Internal	2.5"	Options : • 5 x 2.5" internal • 4 x 2.5" internal and 2 x 2.5" hot swap • 3 x 2.5" internal and 1 x Slim DVD-ROM • 2 x 2.5" internal, 2 x 2.5" hot swap and 1 x Slim DVD-ROM
	Peripheral Drive	Slim DVD-ROM	

Backplane	1 x 16-port 12Gb SATA/SAS backplane with 28-PHY expander chip and 3 SFF-8643 connectors	
Storage Temperature	0°C(32°F) ~ 50°C(122°F)	
Humidity	5%~95% non-condensing	
Gross Weight	(w/ PSU & Rail)	kgs : 26.2
		lbs : 57.8
Packaging Dimensions	(W x D x H)	mm : 645 x 835 x 268
		inches : 25.4 x 32.9 x 10.6
Cubic Feet	6.03	
Container Load Quantity	20'	170
	40'	355
	40' H	405
Mounting	Standard	28" tool-less slide rail

Top View



(Power supply is optional. Motherboard is not included.)



Ordering Information

SKU Number	Description
XE1-3ETS0-01	3U 16x 3.5" hot-swap bays, tool-less 3.5" and 2.5" HDD tray, 800W CRPS redundant power supply, 2x 2.5" internal SSD top plate + CD-ROM plate, 2x 2.5" hot-swap OS, rail, 3U16 SAS 12G passive backplane support 4x NVMe
XE1-3ETS0-02	3U 16x 3.5" hot-swap bays, tool-less 3.5" and 2.5" HDD tray, 800W CRPS redundant power supply, 2x 2.5" internal SSD top plate + CD-ROM plate, 2x 2.5" hot-swap OS, rail, 3U16 SAS 12G expander controller on backplane (3X series)
XE1-3ETS0-03	3U 16x 3.5" hot-swap bays, tool-less 3.5" and 2.5" HDD tray, 800W CRPS redundant power supply, 2x 2.5" internal SSD top plate + CD-ROM plate, 1x 15mm 2.5" HDD internal OS, rail, 3U16 SAS 12G passive backplane support 4x NVMe



Front View



Optional item - Front door

- ### Features
- Tool-less design supports quick installation and easy maintenance:
 - Tool-less 3.5" & 2.5" drive trays
 - Tool-less top covers
 - Tool-less backplane
 - Tool-less slide rails
 - 12Gb/s SAS expander chip on backplane
 - Specially designed hot swap and low power consumption fans minimize rotational vibration and provide superior cooling
 - 3.5" drive tray comes with 4 screw holes to adapt to 2.5" drive
 - 36 (24 front + 12 rear) bays to provide high-density storage in a 4U server chassis
 - Comes with a redundant PSU 80+ Platinum
 - Two front access USB 3.0 ports

Rear View

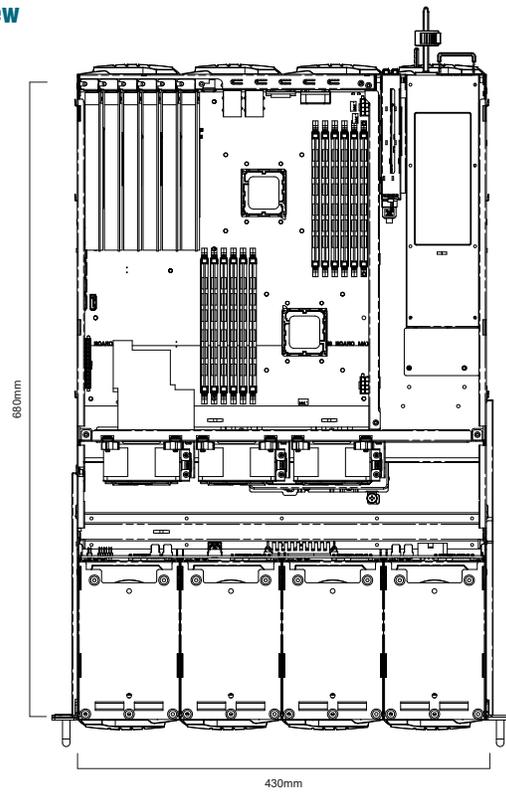


Specifications

Dimensions (W x D x H)	mm : 430 x 680 x 174.3		
	inches : 16.9 x 26.8 x 6.9		
Industry Standard	EIA-RS310D		
Material	Heavy-duty preplated SPGC cold-rolled steel		
Color	Front Panel : Black		
Cooling	6 x 80x38mm PWM & low-power consumption hot swap fans		
Power Supply	1200W 1+1 redundant PSU PMBus 1.2 80+ Platinum		
Expansion Slots	7 low profile		
Front Panel	System power on/off, system reset, system ID and 2 x USB 3.0 ports		
LED Indicators	Power, LAN, Drive, ID and Alert		
System Board	12"(W) x 13"(D) E-ATX/SSI EEB 3.6 compliant MB		
Drive Bays	External	3.5" hot swap	36 (24 front + 12 rear)
		2.5" hot swap	2 (7mm)

Backplanes	1 x 24-port 12Gb SATA/SAS backplane with 36-PHY expander chip and 3 SFF-8643 connectors	
	1 x 12-port 12Gb SATA/SAS backplane with 28-PHY expander chip and 3 SFF-8643 connectors	
Storage Temperature	0°C(32°F) ~ 50°C(122°F)	
Humidity	5%~95% non-condensing	
Gross Weight	(w/ PSU & Rail)	kgs : 40.4
		lbs : 89
Packaging Dimensions	(W x D x H)	mm : 626 x 931 x 413
		inches : 24.6 x 36.7 x 16.3
Cubic Feet	8.3	
Container Load Quantity	20'	120
	40'	245
	40' H	285
Mounting	Standard	28" tool-less slide rail

Top View



(Power supply is optional. Motherboard is not included.)

Ordering Information

SKU Number	Description
XE1-4BT00-01	4U 36x 3.5" hot-swap bays, tool-less 3.5" and 2.5" HDD tray, 1200W CRPS redundant power supply, 2x 7mm 2.5" hot-swap OS, low profile rear panel, rail, front 4U24 SAS 12G expander controller on backplane (3X series) + rear 2U12 SAS 12G expander controller on backplane (3X series)



Front View



Optional item - Front door

Features

- Tool-less design supports quick installation and easy maintenance:
 - Tool-less 3.5" & 2.5" drive trays
 - Tool-less top covers
 - Tool-less backplane
 - Tool-less slide rails
- 12Gb/s SAS expander chip on backplane
- Specially designed hot swap and low power consumption fans minimize rotational vibration and provide superior cooling
- 3.5" drive tray comes with 4 screw holes to adapt to 2.5" drive
- Comes with a redundant PSU 80+ Platinum
- Two front access USB 3.0 ports

Rear View

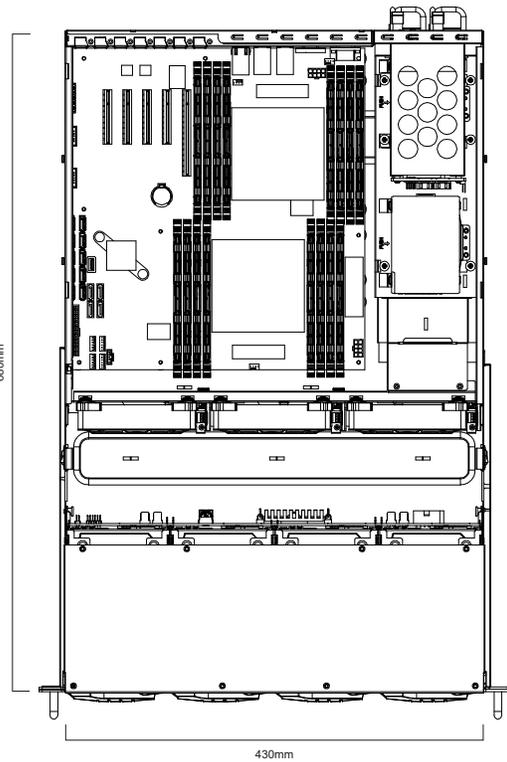


Specifications

Dimensions (W x D x H)	mm : 430 x 680 x 174.3		
	inches : 16.9 x 26.8 x 6.9		
Industry Standard	EIA-RS310D		
Material	Heavy-duty preplated SPGC cold-rolled steel		
Color	Front Panel : Black		
Cooling	3 x 120x25mm PWM hot swap fans		
Power Supply	1200W 1+1 redundant PSU 80+ Platinum		
Expansion Slots	7 full height		
Front Panel	System power on/off, system reset and 2 x USB 3.0 ports		
LED Indicators	Power, LAN, Drive and Alert		
System Board	12"(W) x 13"(D) E-ATX/SSI EEB 3.6 compliant MB		
Drive Bays	External	3.5" hot swap	24
		2.5" hot swap	Options : • 2 x 2.5" hot swap • 2 x 2.5" internal
	Internal	2.5"	

Backplane	1 x 24-port 12Gb SATA/SAS backplane with 36-PHY expander chip and 3 SFF-8643 connectors	
Storage Temperature	0°C(32°F) ~ 50°C(122°F)	
Humidity	5%~95% non-condensing	
Gross Weight	(w/ PSU & Rail)	kgs : 37
		lbs : 81.6
Packaging Dimensions	(W x D x H)	mm : 645 x 835 x 310
		inches : 25.4 x 32.9 x 12.2
Cubic Feet	8.3	
Container Load Quantity	20'	150
	40'	315
	40' H	345
Mounting	Standard	28" tool-less slide rail

Top View



(Power supply is optional. Motherboard is not included.)

Ordering Information

SKU Number	Description
XE1-4ET00-01	4U 24x 3.5" hot-swap bays, tool-less 3.5" and 2.5" HDD tray, 1200W CRPS redundant power supply, 2x 2.5" hot-swap OS, rail, 4U24 SAS 12G expander controller on backplane (3X series)
XE1-4ET00-02	4U 24x 3.5" hot-swap bays, tool-less 3.5" and 2.5" HDD tray, 1200W CRPS redundant power supply, 2x 2.5" hot-swap OS, rail, 4U24 SAS 12G passive backplane support 4x NVMe



Features

- Tool-less design supports quick installation and easy maintenance:
 - Tool-less 3.5" & 2.5" drive trays
 - Tool-less top covers
 - Tool-less backplane
 - Tool-less slide rails
- 12Gb/s SAS expander chip on backplane
- Specially designed hot swap and low power consumption fans minimize rotational vibration and provide superior cooling
- 3.5" drive tray comes with 4 screw holes to adapt to 2.5" drive
- Comes with a redundant PSU 80+ Platinum
- Two front access USB 3.0 ports

Front View



Optional item - Front door

Rear View



Specifications

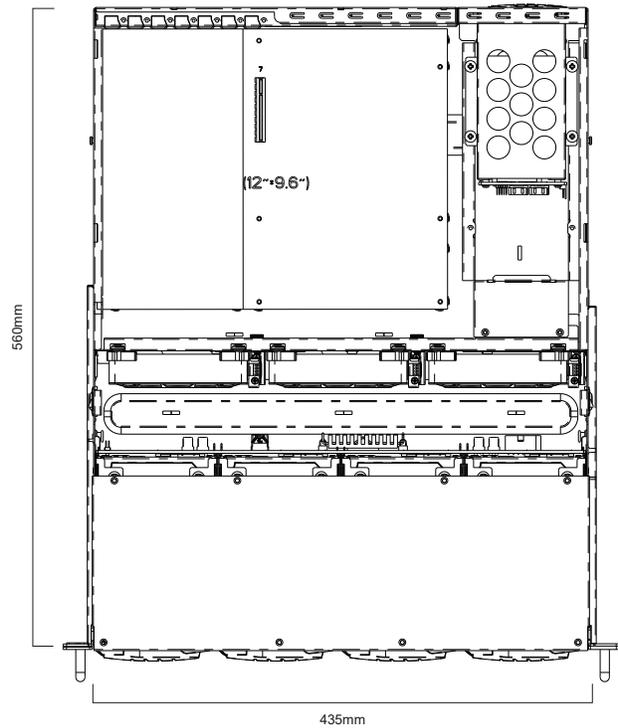
Dimensions (W x D x H)	mm : 435 x 560 x 177		
	inches : 17 x 22 x 7		
Industry Standard	EIA-RS310D		
Material	Heavy-duty preplated SPGC cold-rolled steel		
Color	Front Panel : Black		
Cooling	3 x 120x25mm PWM hot swap fans		
Power Supply	800W 1+1 redundant PSU 80+ Platinum		
Expansion Slots	7		
Front Panel	System power on/off, system reset and 2 x USB 3.0 ports		
LED Indicators	Power, LAN, Drive and Alert		
System Board	12"(W) x 9.6"(D) ATX		
Drive Bays	External	3.5" hot swap	24
		2.5" hot swap	Options: • 2 x 2.5" (7mm) hot swap • 1 x 2.5" (15mm) internal
	Internal	2.5"	

Backplane	1 x 24-port 12Gb SAS backplane with 36-PHY expander chip and 3 SFF-8643 connectors	
Storage Temperature	0°C(32°F) ~ 50°C(122°F)	
Humidity	5%~95% non-condensing	
Gross Weight	(w/ PSU & Rail)	kgs : 28.4
		lbs : 62.6
Packaging Dimensions	(W x D x H)	mm : 645 x 835 x 310
		inches : 25.4 x 32.9 x 12.2
Cubic Feet	6.56	
Container Load Quantity	20'	145
	40'	298
	40' H	358
Mounting	Standard	28" tool-less slide rail

Top View



(Power supply is optional. Motherboard is not included.)

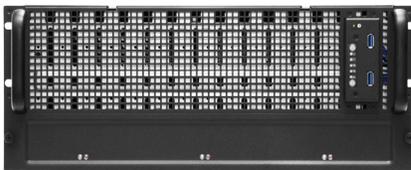


Ordering Information

SKU Number	Description
XE1-4ETS0-01	4U 24x 3.5" hot-swap bays, tool-less 3.5" and 2.5" HDD tray, 800W CRPS redundant power supply, 2x 2.5" hot-swap OS, rail, 4U24 SAS 12G passive backplane support 4x NVMe
XE1-4ETS0-02	4U 24x 3.5" hot-swap bays, tool-less 3.5" and 2.5" HDD tray, 800W CRPS redundant power supply, 2x 2.5" hot-swap OS, rail, 4U24 SAS 12G expander controller on backplane (3X series)



Front View



Features

- High-density storage server chassis
- Tool-less design for easy maintenance:
 - 60 tool-less top-loading 3.5" drive trays with built-in light pipe for drive status LED
 - Tool-less top cover
 - Tool-less drive backplane sliding mechanism
- Hot swap cooling fans and 80+ redundant power supply
- Supports up to 2 x 2.5" hot swap drives for OS
- Supports single drive power cycle setting

Rear View

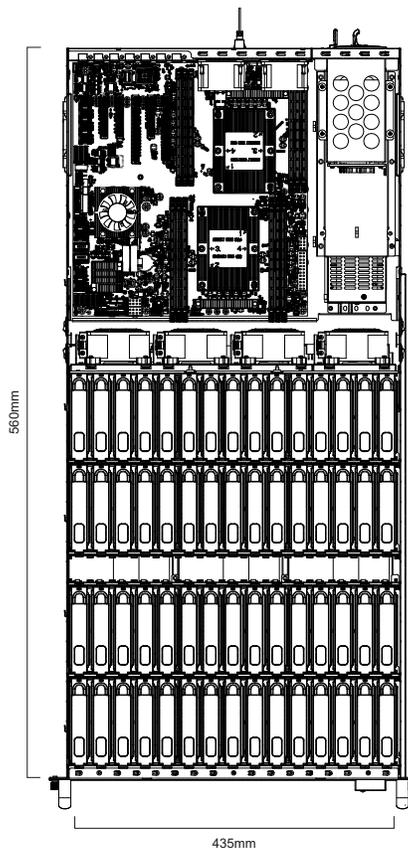
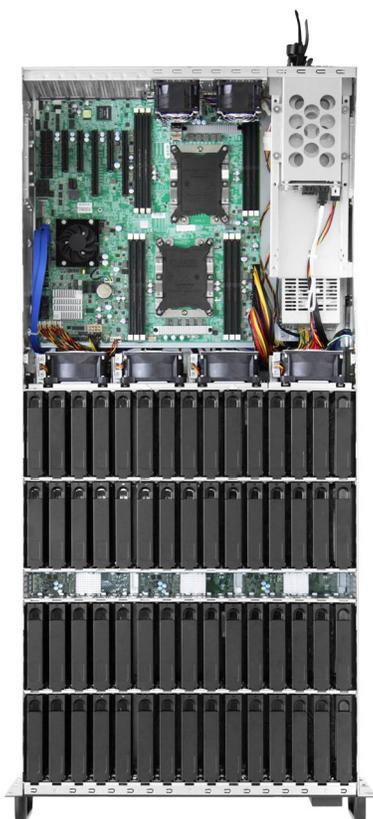


Specifications

Dimensions (W x D x H)	mm : 435 x 950 x 177		
	inches : 17 x 37.4 x 7		
Industry Standard	EIA-RS310D		
Material	Heavy-duty preplated SPGC cold-rolled steel		
Color	Front Panel : Black		
Cooling	4 x 80x38mm PWM & low-power consumption hot swap fans		
	2 x 60x38mm PWM easy swap fans (rear)		
Power Supply	1600W 1+1 redundant PSU 80+ Platinum		
Expansion Slots	7 full height		
Front Panel	System power on/off, system reset and 2 x USB 3.0 ports		
LED Indicators	Power, LAN, Drive and Alert		
System Board	12"(W) x 13"(D) E-ATX/SSI EEB 3.6 compliant MB		
Drive Bays	External	2.5" hot swap	2
	Internal	3.5" hot swap	60

Backplanes	3 x 20-port 12Gb SAS backplanes with 28-PHY expander chip and 2 SFF-8643 connectors on each	
Storage Temperature	0°C(32°F) ~ 50°C(122°F)	
Humidity	5%~95% non-condensing	
Gross Weight	(w/ PSU & Rail) (excluding pallet)	kgs : 43
		lbs : 94.8
Packaging Dimensions (W x D x H)	mm : 603 x 1240 x 454	
	inches : 23.7 x 48.8 x 17.9	
Cubic Feet	8.8	
Container Load Quantity	20'	97
	40'	199
	40' H	240
Mounting	Standard	43" tool-less slide rail
	Option	Cable Management Kit

Top View



(Power supply is optional. Motherboard is not included.)

Ordering Information

SKU Number	Description
XE1-4H000-01	4U 60x 3.5" internal hot-swap bays, tool-less 3.5" and 2.5" HDD tray, 1600W CRPS redundant power supply, rear 10x HDD dummy, 3x 20-port SAS 12G expander controller on backplane (3X series), 43" slide rail, pallet
XE1-4H000-02	4U 60x 3.5" internal hot-swap bays, tool-less 3.5" and 2.5" HDD tray, 1600W CRPS redundant power supply, rear 6x 2.5" SATA/SAS + 4x NVMe external hot-swap drive bays, 3x 20-port SAS 12G expander controller on backplane (3X series), 43" slide rail, pallet
XE1-4H000-05	4U 60x 3.5" internal hot-swap bays, tool-less 3.5" and 2.5" HDD tray, 1600W CRPS redundant power supply (low line), rear 10x HDD dummy, 3x 20-port SAS 12G expander controller on backplane (3X series), 43" slide rail, pallet
XE1-4H000-06	4U 60x 3.5" internal hot-swap bays, tool-less 3.5" and 2.5" HDD tray, 1600W CRPS redundant power supply (low line), rear 6x 2.5" SATA/SAS + 4x NVMe external hot-swap drive bays, 3x 20-port SAS 12G expander controller on backplane (3X series), 43" slide rail, pallet

RSC-4H



Features

- High-density storage server chassis
- Tool-less design for easy maintenance
 - Tool-less top cover
 - Tool-less drive backplane sliding mechanism
- 60 tool-less top-loading 3.5" drive trays with built-in light pipe for drive status LED
- Hot swap cooling fans and 80+ redundant power supply
- Supports up to 2/4/6/8 x 2.5" hot swap drives for OS
- Flexible Motherboard plate design for E-ATX form factor in market

Front View

3 x 80x38mm easy swap fans



Rear View



Specifications

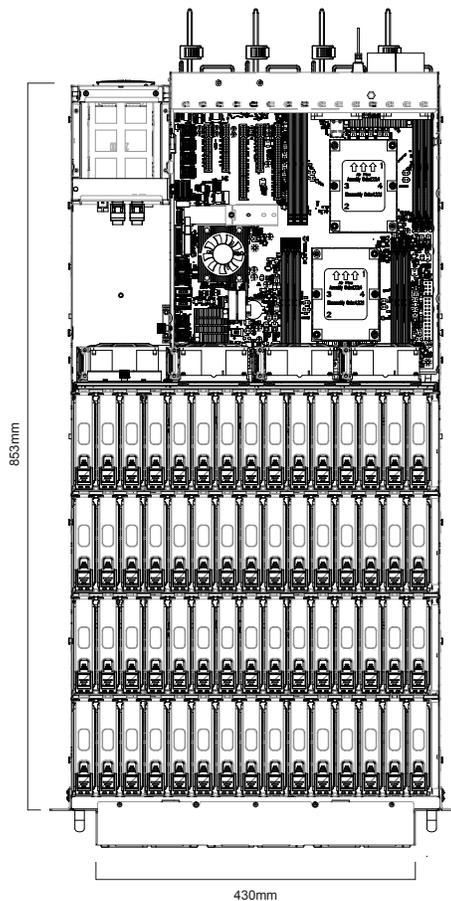
Dimensions (W x D x H)	mm : 430 x 853 x 176		
	inches : 16.9 x 33.5 x 6.92		
Industry Standard	EIA-RS310D		
Material	Heavy-duty preplated SPGC cold-rolled steel		
Color	Front Panel : Black		
Cooling	Standard	Middle : 4 x 60x38mm hot swap fans Rear : 2 x 60x38mm easy swap fans	
	Option	Front : 3 x 120x38mm easy swap fans	
Power Supply	Standard	1200W 2+2 redundant PSU PMBus 1.2 80+ Platinum	
	Option(s)	<ul style="list-style-type: none"> • 800W 2+2 redundant • 1200W 1+1 redundant • 1600W 1+1 redundant 	
Expansion Slots	7 low profile		
Front Panel	System power on/off, System reset, 2 x USB 3.0 ports		
LED Indicators	Power, ID, Drive and Alert		
System Board	12"(W) x 13"(D) E-ATX/SSI EEB 3.6 compliant MB		
Drive Bays	External	2.5" hot swap	2/4/6/8
	Internal	3.5" hot swap	60

Backplanes	<ul style="list-style-type: none"> • 2 x 30-port 12G SAS backplanes with 40-PHY expander • 2 x 30-port 24G SAS backplanes with 40-PHY expander (TBD) 	
Storage Temperature	0°C(32°F) ~ 50°C(122°F)	
Humidity	5%~95% non-condensing	
Gross Weight	(w/ PSU & Rail) (excluding pallet)	kgs : 45
		lbs : 99.2
Packaging Dimensions	(W x D x H)	mm : 586 x 1110 x 400
		inches : 23 x 43.7 x 15.7
Cubic Feet	9.25	
Container Load Quantity	20'	100
	40'	212
	40' H	255
Mounting	Standard	43" tool-less slide rail
	Option	Cable Management Kit

Top View



(Power supply is optional. Motherboard is not included.)



MODULAR CANISTERS

XC-12G
XC-12H
XC-12T

Dimensions (W x D x H)

mm : 146 x 166 x 41.2
 inches : 5.7 x 6.5 x 1.6



Material	Heavy-duty preplated SPGC cold-rolled steel		
Finish	Front Panel : Texture-coated		
LED Indicators	Drive		
Drive Bays	External	2.5" hot swap	2
Backplane	1 x 2-port 6Gb SAS/SATA backplane with 4 SATA connectors		

XC-12TNVME

Dimensions (W x D x H)

mm : 148 x 165 x 41.7
 inches : 5.8 x 6.5 x 1.6



Material	Heavy-duty preplated SPGC cold-rolled steel		
Finish	Front Panel : Texture-coated		
LED Indicators	Drive		
Drive Bays	External	2.5" hot swap	2
Backplanes	1 x 2-port NVME backplane with 2 SFF-8643 connectors		

XC-23D1

Dimensions (W x D x H)

mm : 146 x 222.2 x 85.5
 inches : 5.7 x 8.7 x 3.4



Material	Heavy-duty preplated SPGC cold-rolled steel		
Finish	Front Panel : Texture-coated		
Cooling	Rear : 1 x 80x25mm fan		
LED Indicators	Power, Temperature, Fan and Drive		
Drive Bays	External	3.5" hot swap	3
Backplane	1 x 3-port 12Gb SAS/SATA backplane support SPGIO		

XC-34D1

Dimensions (W x D x H)

mm : 147.3 x 223.5 x 127
 inches : 5.8 x 8.8 x 5



Material	Heavy-duty preplated SPGC cold-rolled steel		
Finish	Front Panel : Texture-coated		
Cooling	Rear : 1 x 80x25mm fan		
Front Panel	System mute		
LED Indicators	Power, Temperature, Fan and Drive		
Drive Bays	External	3.5" hot swap	4
Backplanes	1 x 4-port 6Gb SAS/SATA backplane with 4 SATA connectors		
	1 x 4-port 6Gb SAS/SATA backplane with SGPIO support with 1 SFF-8087 connector		

FRONT BEZEL

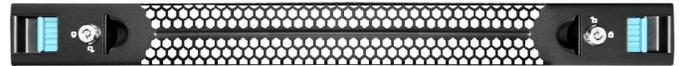
Features

- Honeycomb vent design, maximize ventilation rate
- Tool-less design
- Security lock
- Supports customize name plate / silkscreen
- Various options for paint spray

Front bezel for 1U T-series products. It is an option to be added.

Compatible with RSC-1AT, RSC-1DT, RSC-1DTS and 1U T-series barebones.

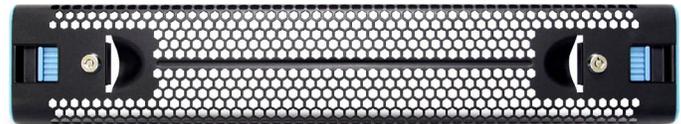
Dimensions (W x D x H)	mm : 482.2 x 40.8 x 43
	inches : 19 x 1.6 x 1.7



Front bezel for 2U T-series products. It is an option to be added.

Compatible with RSC-2AT, RSC-2ET, RSC-2ETS and 2U T-series barebones.

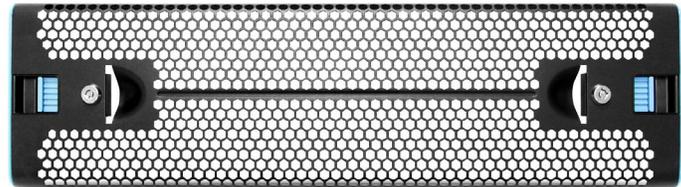
Dimensions (W x D x H)	mm : 482 x 41 x 87
	inches : 19 x 1.6 x 3.4



Front bezel for 3U T-series products. It is an option to be added.

Compatible with RSC-3ET, RSC-3ETS and 3U T-series barebones.

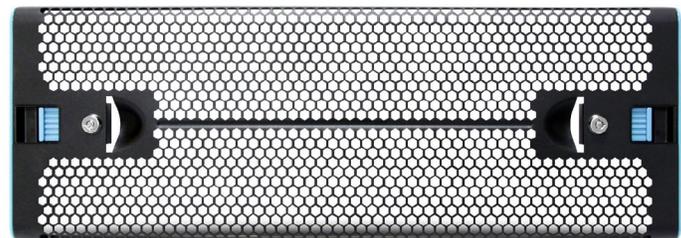
Dimensions (W x D x H)	mm : 482 x 41 x 131
	inches : 19 x 1.6 x 5



Front bezel for 4U T-series products. It is an option to be added.

Compatible with RSC-4ET, RSC-4ETS, RSC-4BT and 4U T-series barebones.

Dimensions (W x D x H)	mm : 482 x 41 x 173
	inches : 19 x 1.6 x 6.8



RAILS

Part Number	Descriptions	Min-Max Mounting (mm)	Can Fit to Cabinet, 600, 800, 1000, 1200 (mm)	Travel (mm)	Compatible ESG Model	Compatible PSG Model	Compatible SSG Model
H5512S200001	20" slide rail	482-533	600, 800	500	RMC-2A, RMC-2F, RMC-2H, RMC-2N, RMC-2S, RMC-2T, RMC-3A, RMC-3F, RMC-3N, RMC-3S, RMC-4A, RMC-4B, RMC-4S		
H5512S200002	26" slide rail	585-640	600, 800, 1000	660	RMC-2A, RMC-2F, RMC-2H, RMC-2N, RMC-2S, RMC-2T, RMC-3A, RMC-3F, RMC-3N, RMC-3S, RMC-4A, RMC-4B, RMC-4S		
H5521T200005	28" tool-less slide rail	633-926	800, 1000, 1200	710	RSC-2AT, RSC-2ET, RSC-2ETS, RSC-2KT, RSC-3ET, RSC-3ETS, RSC-4ET, RSC-4ETS	SB201-VG, SB202-LE, SB202-SP, SB203-SP, SB401-VG, SB102-VG, SB201-TU, SB202-TU	
H5521S200014	20" slide rail	558-685	600, 800, 1000	559±3		OB102-LE	
H5521T200009	20" slide rail	610-921	600, 800, 1000	407	RMC-1E		
H5541S100001	18" slide rail	500-727	600, 800, 900	500	RMC-2E (2U Edge)		J2124-01, J2112-01
H5542S100002	20" slide rail	520-740	600, 800, 900	500			J4124-01
H5521T100002	28" tool-less slide rail	662-904	800, 1000, 1200	710±3	RSC-4BT	SB402-VG	
H5533T100001	43" tool-less slide rail	662-904	800, 1000, 1200	650±3	RSC-4H	SB403-VG	
H5541S200002	30" tool-less slide rail	670-936	1000, 1200	792.3	RSC-15		
H5541T100002	42" slide rail	854-1251	1000, 1200	803	RSC-1C, RSC-1R		
H5541T200003	28" tool-less slide rail	645-1042	800, 1000, 1200	733	RSC-1AT, RSC-1DT	SB101-SP, SB102-SP, SB101-TU, SB102-TU	
H5541T200004	28" tool-less slide rail	594-804	600, 800, 1000, 1200	633	RSC-1ATS, RSC-1DTS	SB101-LE	
H5542T200001	28" tool-less slide rail	662-914	800, 1000, 1200	707±3	RSC-3M	HA401-VG	
H5541T100001	28" tool-less slide rail	647.6-890.2	800, 1000, 1200	902.3±4		FB127-AG	
H5531S200001	28" tool-less slide rail	750-970	800, 1000, 1200	750±3		HA201-PV, HA202-PV	J2024-04
H5521S200001	28" tool-less slide rail	560-795	600, 800, 1000, 1200	650±3		SB122A-PH	
H5521S200005	20" tool-less slide rail	560-795	600, 800, 1000, 1200	550±3			J2024-02, J2012-01, J3016-01
H5531S200006	20" fixed rail	710-945	800, 1000, 1200	650		TB116-AN, TB116-DL	
H5521S200012	28" tool-less slide rail	720-1012	800, 1000, 1200	700		FB122-PV	
H5541T200002	28" tool-less slide rail	670.3-938.3±5	800, 1000, 1200	784.6±4		FB127-LX, FB128-LX, HP101-AG, CB121-VL	
H5541T100005	28" tool-less slide rail	677-945	1000, 1200	854.4		FB201-LX, HP201-AG, HP201-VL, HP202-AG, HP202-VL, SB101-UR, SB102-UR, SB201-UR, SB202-UR, SB203-UR, SB203-LX, SB101-A6, SB202-A6	
H5512S200010	28" tool-less slide rail	700	800, 1000, 1200	703±3			J4024-01, J4024-02
H5533S100002	36" tool-less slide rail	690-1055	1000, 1200	766±4			J4060-01, J4076-01
H5533T200001	33" tool-less slide rail	690-1055	800, 1000	766±4		CB401-AG, CB401-LX	J4060-01, J4076-01
H5532T100002A01	31" fixed rail	786-924	1000, 1200	830±4		SB406-PV, SB406-VL	J4078-01
H5532S100001	41" fixed rail	786-924	1200	1100±4		SB405-PV, SB405-VL	J4108-01
H5542T100002	33" tool-less slide rail	701.2-908.5	1000, 1200	651.5	RSC-2MS		
H5541T100003	40" tool-less slide rail	700-965.5	1000, 1200	813.4	RSC-2M		
H5541T200008	28" tool-less slide rail	594~906	800, 1000	633		CB201-Z1	
H5532T100004	36" tool-less slide rail	659.7~905	800,1000	900±4	RSC-4H1	SB407-VG	



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