



Front View

24 x 2.5" hot swap drive bays



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	• 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	• 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 <i>(Additional Tri-mode/PCIe Switch/Retimer card required)</i> • SKU2: 3 x 8-port SAS3 backplane • SKU3: 2 x 8-port SAS3 backplane + 1 x 8-port SAS3/PCIe Gen4 NVMe Tri-mode backplane • SKU4: 1 x 8-port SAS3 backplane + 2 x 8-port SAS3/PCIe Gen4 NVMe Tri-mode backplane <i>(Additional Tri-mode/PCIe Switch/Retimer card required)</i> • SKU5: 3 x 8-port SAS3/PCIe Gen4 NVMe Tri-mode backplane <i>(Additional Tri-mode/PCIe Switch/Retimer card required)</i>	

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 easy swap redundant fans to provide optimal thermal conditions

Expansion Slots	PCIe 4.0	• 3 x PCIe X16 slots (HHHL) + 1 x OCP 3.0 • 2 x PCIe X8 slots (HHHL)
System BIOS	BIOS Type	• AMI UEFI BIOS • SPI (Serial Peripheral Interface) FLASH Interface
	BIOS Features	• 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
On-board Devices	SATA / SAS	Intel® C621A 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) Optional SAS 3008/3108 modules (on OCP)
	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
	Network Controllers	• Realtek® RTL8211EL single port 1Gbps Ethernet PHYceiver for dedicated BMC 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.)

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	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	• IPMI 2.0 • KVM over IP • Media redirection • Temperature, fan, voltage, PSU sensor monitor • System temperature • System ID / System fail indicator • Remote power on/off/reset • SEL message alarm through mail • SNMP support • Intel NM	

Environmental Specifications	• 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