

DLAP-5200 Series

Fanless High Performance AI computer

Features

- 12/13th generation Intel® Core I processor
- Max 128GB DDR5 4800MHz Memory
- Supports MXM 3.1 Type A/B form factor GPU module
- User friendly front accessible I/O ports
- Microsoft® Windows® 10 IoT and Linux® Ubuntu 22.04
- Rugged, fanless design for 24/7 operation

Preliminary



Windows Canonical Ubuntu EdgeGO

ASD+



Ordering Information

Model Name	CPU	Memory	Storage	DP	HDMI	LAN	COM	SATA	USB3.0
DLAP-5207-3DP/M32G/S512G/A370M	i7-12700E	32GB	512GB SSD	3	2	6	2	2	6
DLAP-5207-6DP/M32G/S512G/A2000	i7-12700E	32GB	512GB SSD	6	2	3	3	2	6

Packing Lists

Description	QTY
2-pin terminal block 1pc	1
MXM module thermal pad	1
MXM module backplate	1
Wall mount bracket	1

Optional Accessories

PN	Description
31-62162-1010-A0	280W AC/DC Adapter

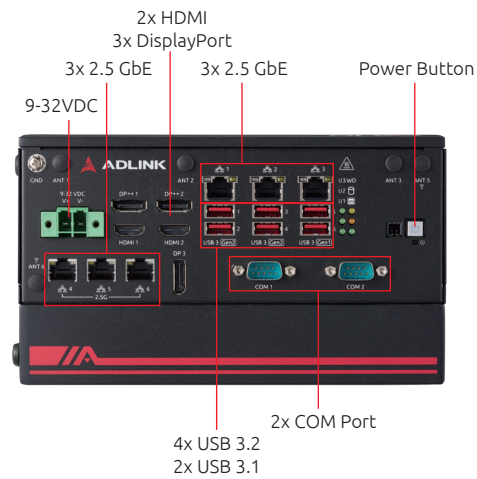
Embedded OS

PN	Description
92-56094-0010	Windows 10 IoT Ent LTSC 2021 High End PKEA
92-56094-2010	Windows 10 IoT Ent LTSC 2021 Value PKEA
92-56094-4010	Windows 10 IoT Ent LTSC 2021 Entry PKEA
92-56101-0010	Windows 11 IoT Ent 2022 High End PKEA
92-56101-2010	Windows 11 IoT Ent 2022 Value PKEA
92-56101-4010	Windows 11 IoT Ent 2022 Entry PKEA

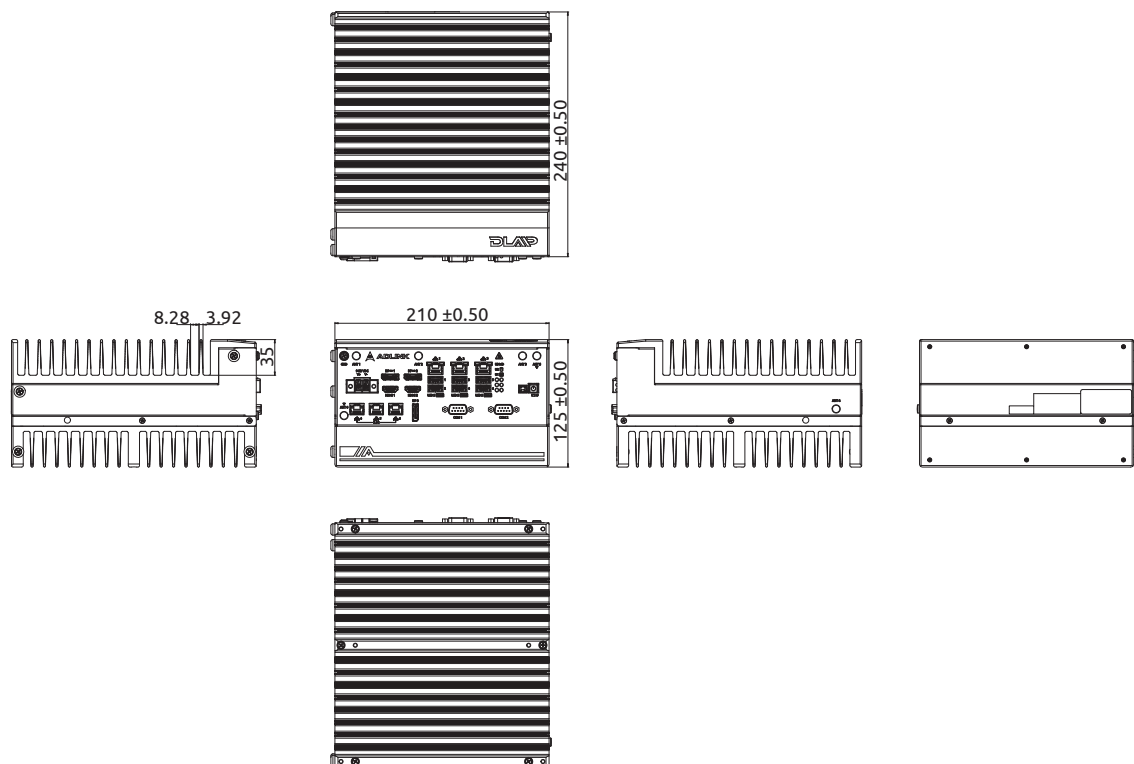
Specifications

Model	DLAP-5200-3DP	DLAP-5200-6DP
System		
CPU	12th/13th Gen Intel® Core™ processors	12th/13th Gen Intel® Core™ processors
Chipset	R680E	R680E
Memory	Max. 128GB, DDR5 4x SO-DIMMs, up to 4800MHz	Max. 128GB, DDR5 4x SO-DIMMs, up to 4800MHz
Storage	2x SATA IIIx (6Gb/s) for 2.5-inch SSD	2x SATA IIIx (6Gb/s) for 2.5-inch SSD
MXM module	Intel Arc A370M NVIDIA A1000, A2000	Intel Arc A370M NVIDIA A1000, A2000
Operating System	Windows 10/11 IoT Enterprise 64-bit Ubuntu 22.04	Windows 10/11 IoT Enterprise 64-bit Ubuntu 22.04
TPM	TPM 2.0 on board	TPM 2.0 on board
LED indicator	1 storage, 1 WDT, 1 diagnostic and 3 user-defined	1 storage, 1 WDT, 1 diagnostic and 3 user-defined
I/O interfaces		
Display Ports	2x HDMI 1.4b 3x DisplayPort 1.4 (1x from MXM module)	2x HDMI 1.4b 6x DisplayPort 1.4 (4x from MXM module)
Ethernet Ports	6x 2.5GbE with TSN supported (i225)	3x 2.5GbE with TSN supported (i225)
USB Ports	4x USB 3.2 Gen2 (Type A) 2x USB 3.1 Gen2 (Type A)	4x USB 3.2 Gen2 (Type A) 2x USB 3.1 Gen2 (Type A)
Serial Ports	2x RS-232/422/485	2x RS-232/422/485 1x RS-232
Expansion Slots	1x M.2 2280 M Key 1x M.2 2230 E Key	1x M.2 2280 M Key 1x M.2 2230 E Key
Mechanical		
Dimension (W X D X H)	125mm x 240mm x 210mm	125mm x 240mm x 210mm
Weight	6.8 kg	6.8 kg
Mounting	Wall mount	Wall mount
Power		
Interface	2-pin phoenix	2-pin phoenix
Power Supply	12/24 VDC, AC-DC 280W adapter (optional)	12/24 VDC, AC-DC 280W adapter (optional)
Environment		
Operating Temperature	-20 to 50 °C (35W CPU) -20 to 40 °C (65W CPU)	-20 to 50 °C (35W CPU) -20 to 40 °C (65W CPU)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)	-40°C to 85°C (-40°F to 185°F)
Humidity	~95% @ 40°C (Non-condensing)	~95% @ 40°C (Non-condensing)
Vibration Operating	3Grms, random, 5-500Hz, 3 axes (w/SSD)	3Grms, random, 5-500Hz, 3 axes (w/SSD)
Shock Operating	30G, half sine 11ms duration (w/SSD)	30G, half sine 11ms duration (w/SSD)
ESD	Contact +/-4KV, Air +/-8KV	Contact +/-4KV, Air +/-8KV
EMC	CE & FCC Class A	CE & FCC Class A
Safety	UL/CB	UL/CB

I/O View



Product Dimensions and Illustration



CPU Support List

Family	Number	CPU Core	Frequency	Cache	Processor Base Power
Alder Lake	i9-12900E	16	5.0 GHz	30 MB	65 W
Alder Lake	i9-12900TE	16	4.8 GHz	30 MB	35 W
Alder Lake	i7-12700E	12	4.8 GHz	25 MB	65 W
Alder Lake	i7-12700TE	12	4.7 GHz	25 MB	35 W
Alder Lake	i5-12500E	6	4.5 GHz	18 MB	65 W
Alder Lake	i5-12500TE	6	4.3 GHz	18 MB	35 W
Alder Lake	i3-12100E	4	4.2 GHz	12 MB	65 W
Alder Lake	i3-12100TE	4	4.0 GHz	12 MB	35 W
Raptor Lake	i9-13900E	24	5.2 GHz	36 MB	65 W
Raptor Lake	i9-13900TE	24	5.0 GHz	36 MB	35 W
Raptor Lake	i7-13700E	16	5.1 GHz	30 MB	65 W
Raptor Lake	i7-13700TE	16	4.8 GHz	30 MB	35 W
Raptor Lake	i5-13500E	14	4.6 GHz	24 MB	65 W
Raptor Lake	i5-13500TE	14	4.5 GHz	24 MB	35 W
Raptor Lake	i3-13100E	4	4.4 GHz	12 MB	65 W
Raptor Lake	i3-13100TE	4	4.1 GHz	12 MB	35 W