

DLAP-8100 Series

Industrial AI Workstation with
14th/13th/12th Intel® Core™ Processor

Features

- Intel® 14th/13th/12th-Gen Core™ 35W/65W LGA1700 CPU
- Up to 192 GB LPDDR5 4800MHz memory
- 2x DP++, 2x HDMI, 3x 2.5GbE, 4x COM, 8DI, 8DO, 4x USB3.2, 2x USB 3.1
- 4x 2.5" SSD Tray (3x SATA III 6Gb/s, 1x USB-to-SATA)
- Embedded expansion includes 1x M.2 2230 E Key, 1x M.2 3042/3052 B Key, 1x M.2 2280 M Key, and 2x USIM
- Supports NVIDIA® RTX 6000 ADA GPU with full-speed Gen4 x16 signal
- Microsoft® Windows® 10 IoT and Linux® Ubuntu 22.04



Ordering Information

Model Name	CPU	Memory	DP	HDMI	LAN	COM	USB3.0
DLAP-8109R/M32G	i9-13900E	32GB	2	2	3	4	6
DLAP-8107R/M32G	i7-13700E	32GB	2	2	3	4	6
DLAP-8105R/M32G	i5-13500E	32GB	2	2	3	4	6

Packing Lists

Description	QTY
Wall mount bracket	1

Optional Accessories

PN	Description
30-00001-0030	US Power cord, C13, 125V/10A, 1830mm
30-00002-0010	EU Power cord, C13, 250V/10A, 1830mm
30-00067-0000-A0	UK Power Cord, C13, 250V/10A, 2000mm

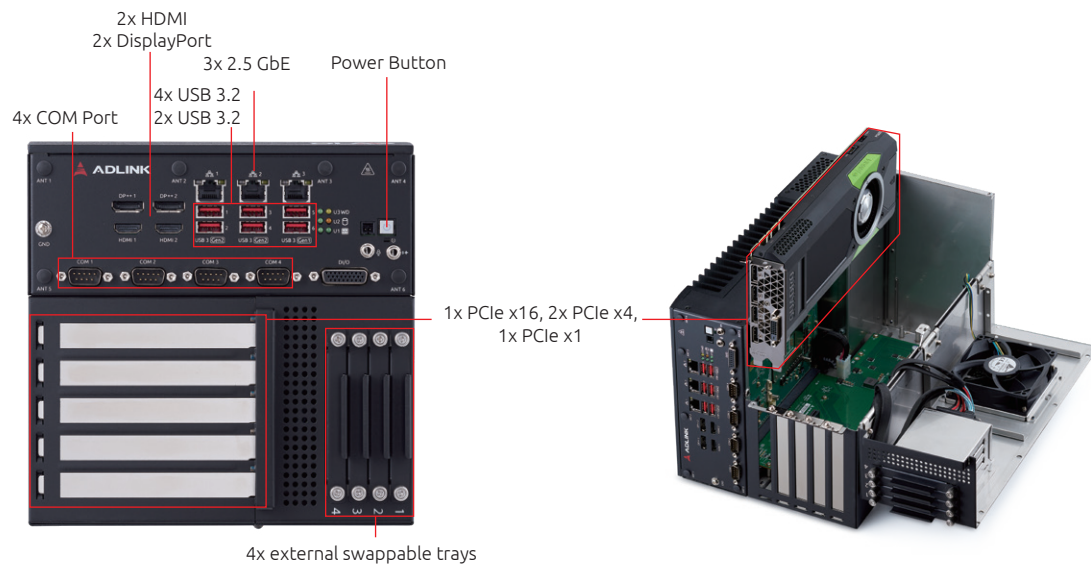
Embedded OS

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-8100
System Core	
CPU	Intel® 14th/13th/12th-Gen Core™ 35W/ 65W LGA1700 CPU
Chipset	R680E
Memory	Up to 192GB DDR5 4800MHz (4x SODIMM slots)
Display	2x DP++ and 2x HDMI
I/O Interfaces	
Ethernet	3x 2.5GBE with TSN supported (i225) 1x vPro supported
Serial Ports	COM1/2: RS-232/422/485, COM3/4: RS-232
USB	4x USB 3.2 Gen2 (Type A) 2x USB 3.2 Gen1 (Type A)
Audio	Line-out, Mic-in
M.2	1x M.2 2230 Key E (PCIe Gen3 x1) 1x M.2 3042/3052 Key B (PCIe Gen3 x1 / USB3) 1x M.2 2280 Key M, NVMe/SATA (PCIe Gen3 x4 / SATA)
DI/O	8-ch DI and 8-ch DO
TPM 2.0	Supported
Expansion Slots	1x PCIe Gen4 x16 (2-slots) 1x PCIe3.0 x1 2x PCIe3.0 x8 (Signal x4)
Storage Devices	
2.5" SATA	4x external swappable trays (3x SATA III and 1x USB-to-SATA)
Mechanical	
Dimensions	210 (W) x 210 (D) x 350 (H) mm (8.27" x 8.27" x 13.8")
Weight	10kg
Mounting	Wall mount
Power Supply	
AC Input	100-240 VAC
Environmental	
Operating Temperature	-20°C to 60°C (without PEG card)
Storage Temperature	-40°C to 85°C (-40°F to 185°F) (excluding storage)
Humidity	~95% @ 40°C (104°F) (non-condensing)
Vibration	Operating: 2 Grms, 5-500 Hz, 3 axes (w/ SSD/CFast)
Shock	Operating: 20 Grms, half sine 11ms duration (w/ SSD/CFast)
ESD	Contact ±4KV, Air ±8KV
EMC	EN61000-6-4/-2, CE & FCC Class A
Safety	UL/cUL, CB

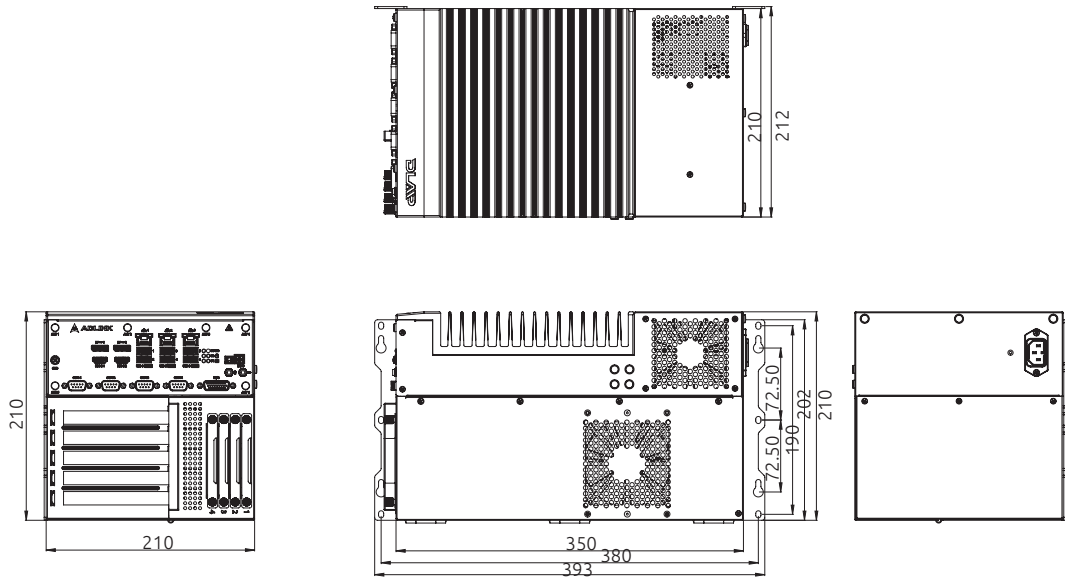
I/O View



Product Dimensions



Product Illustration



CPU Support List

Family	Number	CPU Core	Frequency	Cache	Processor Base Power	Since BIOS
Alder Lake	i9-12900E	16	5.0 GHz	30 MB	65 W	1.03.10
Alder Lake	i9-12900TE	16	4.8 GHz	30 MB	35 W	1.03.10
Alder Lake	i7-12700E	12	4.8 GHz	25 MB	65 W	1.03.10
Alder Lake	i7-12700TE	12	4.7 GHz	25 MB	35 W	1.03.10
Alder Lake	i5-12500E	6	4.5 GHz	18 MB	65 W	1.03.10
Alder Lake	i5-12500TE	6	4.3 GHz	18 MB	35 W	1.03.10
Alder Lake	i3-12100E	4	4.2 GHz	12 MB	65 W	1.03.10
Alder Lake	i3-12100TE	4	4.0 GHz	12 MB	35 W	1.03.10
Raptor Lake	i9-13900E	24	5.2 GHz	36 MB	65 W	2.08.10
Raptor Lake	i9-13900TE	24	5.0 GHz	36 MB	35 W	2.08.10
Raptor Lake	i7-13700E	16	5.1 GHz	30 MB	65 W	2.08.10
Raptor Lake	i7-13700TE	16	4.8 GHz	30 MB	35 W	2.08.10
Raptor Lake	i5-13500E	14	4.6 GHz	24 MB	65 W	2.08.10
Raptor Lake	i5-13500TE	14	4.5 GHz	24 MB	35 W	2.08.10
Raptor Lake	i3-13100E	4	4.4 GHz	12 MB	65 W	2.08.10
Raptor Lake	i3-13100TE	4	4.1 GHz	12 MB	35 W	2.08.10
Raptor Lake Refresh	i9-14900	24	5.8 GHz	36 MB	65 W	2.08.10