ADLINK
LEADING EDGE COMPUTING

DLAP-8000 Series

9th Gen Intel® Xeon®, Core™ i7/i5/i3-Based Compact Industrial GPU Workstation





Features

- 9th Gen Intel® Xeon®, Core™ i7/i5/i3 LGA processors with workstation C246 chipset
- Dual SODIMMs for up to 64GB DDR4 / ECC options*
- Rich I/O: 2x DP++, 1x DVI-I, 3x GbE, 4x COM, 8-ch DI, 8-ch DO, TPM 2.0
- 2x USB 3.1 Gen2, 1x USB 3.1 Gen1, 3x USB 2.0
- Rich storage:
  - Up to 4 hot swappable 2.5" SATA 6 Gb/s tray with RAID 0/1/5/10 support, CFast, M.2 2280
- Embedded expansion: 1x Mini PCIe, 1x M.2 key B+M 2280/3042, 2x USIM
- Front accessible I/O and adaptive Function Module v.2 option
- Flexible and powerful PCIe expansions via backplane
  - 2x FHFL PCI Express cards (e.g. Quadro RTX 8000) accommodation w/ AUX power inlets
  - PCIe x8, x1, x4, x8, and x4 signals with physical x16, x4, x8, x16, and x8 slots
- Optional AC or DC SKUs in power inputs

*Available on Xeon/i3 SKUs

Software Support

- Windows 10 IoT Enterprise CBB 64-bit
- Linux Ubuntu 18.04

Optional Accessories

- 2.5" SSD, HDD, M.2, CFast Storage
- Wireless Module

  Wi-Fi, BT, 3G, 4G LTE, wireless kit (w/ antenna)

Ordering Information

Model	CPU	Expansion Slots	2.5” SATA
DLAP-800X-DC /M16G	Intel® Xeon® E2278GE	2 PCIe x8 + 2 PCIe x4 +1 PCIe x1	4
DLAP-800X-AC/M16G	Intel® Xeon® E2278GE	2 PCIe x8 + 2 PCIe x4 +1 PCIe x1	4
DLAP-8001-DC/M8G	Intel® Core™ i7-9700TE	2 PCIe x8 + 2 PCIe x4 +1 PCIe x1	4
DLAP-8001-AC/M8G	Intel® Core™ i7-9700TE	2 PCIe x8 + 2 PCIe x4 +1 PCIe x1	4
DLAP-8002-DC/M8G	Intel® Core™ i5-9500TE	2 PCIe x8 + 2 PCIe x4 +1 PCIe x1	4
DLAP-8002-AC/M8G	Intel® Core™ i5-9500TE	2 PCIe x8 + 2 PCIe x4 +1 PCIe x1	4
DLAP-8003-DC/M8G	Intel® Core™ i3-9100TE	2 PCIe x8 + 2 PCIe x4 +1 PCIe x1	4
DLAP-8003-AC/M8G	Intel® Core™ i3-9100TE	2 PCIe x8 + 2 PCIe x4 +1 PCIe x1	4

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Specifications

Model	DLAP-800X	DLAP-8001	DLAP-8002	DLAP-8003
System Core				
Processor	Intel® Xeon® E-2278GE 80W	Intel® Core™ i7-9700TE 35W	Intel® Core™ i5-9500TE 35W	Intel® Core™ i3-9100TE 35W
Core #	8	8	6	4
Base Freq.	3.3 GHz	2.6 GHz	2.2 GHz	2.2 GHz
MAX Turbo Freq.	4.7 GHz	4.4 GHz	3.6 GHz	3.2 GHz
Chipset	Workstation Intel® C246			
Memory	4GB DDR4 2400MHz, dual SODIMMs, up to 64GB Optional: 8, 16, 32GB DDR4 ECC 2400MHz (Xeon® and i3 support ECC)			
Display	2x DP++ and 1x DVI-I			
I/O Interfaces				
Ethernet	3x Intel® GbE: 2x i211AT + 1x i219 iAMT support			
Serial Ports	COM1/2: RS-232/422/485, COM3/4: RS-232			
USB	2x USB 3.1 Gen 2 + 1x USB 3.1 Gen 1 + 3x USB 2.0, 1x internal USB 2.0 dongle			
Audio	Line-out, Mic-in (Optional: speaker-out)			
Mini PCIe	1x Full size (USB 2.0 + PCIe)			
M.2	1x socket, key B+M, 2280/3042: USB 3.1 Gen 1, SATA 6 Gb/s and PCIe x2			
USIM	2 (1 for Mini PCIe and 1 for M.2)			
DI/O	8-ch DI and 8-ch DO			
I²C	2 (3.3V & 5V)			
TPM 2.0	Supported			
Expansion Slots	Physical: 2x PCIe x16, 2x PCIe x8, 1x PCIe x4; Signal: 2x PCIe x8, 2x PCIe x4, 1x PCIe x1			
Storage Devices				
2.5" SATA	4x external swappable trays (supports RAID 0, 1, 5, 10)			
CFast	1x Type II			
Mechanical				
Dimensions	210 (W) x 210 (D) x 350 (H) mm (8.27" x 8.27" x 13.8")			
Weight	7kg for PC sku, 10kg for AC sku			
Mounting	Wall mount			
Power Supply				
DC Input	24 Vdc			
AC Input	Optional AC SKU for 90-260 Vac			
Environmental				
Operating Temperature	Standard: 0°C to 50°C			
Storage Temperature	-40°C to 85°C (-40°F to 185°F) (excluding storage)			
Humidity	~95% @ 40°C (104°F) (non-condensing)			
Vibration	Operating: 3 Grms, 5-500 Hz, 3 axes (w/ SSD/CFast) Operating: 0.1 Grms, 5-500 Hz, 3 axes (w/ HDD)			
Shock	Operating: 30 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, CCC			

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