

MVP-6200 Series

12/13th Generation Intel®
 Processor-Based Expandable
 Modular Industrial Computers



Features

- 12th generation Intel® Alder Lake-S socket type processor (LGA 1700)
- Microsoft® Windows® or Linux® Ubuntu operating system option
- Rugged, fanless design for 24/7 operation
- Wide-temp operation from -20°C to 60°C
- Scalable with ADLINK AFM (Adaptive Function Module) slot, offering custom I/O arrangement and fast application-specific access
- Flexible modular expansion support
- Front accessible I/O ports, wall mounting supported

Ordering Information

MVP-624x Series 4 expansion slots

MVP-6249/M32G	i9-12900E, R680E, 1x PCIe x16, 2x PCIe x4, 1x PCI, 2x DP, 2x HDMI, 3x 2.5GbE, 4x COM, 4x USB3Gen2, 2x USB3Gen1, USB 2 dongle, 8DI/8DO, 2x USIM, TPM2.0, M.2 (A,B,M), 2x 2.5" SATA, 1x DDR5 32GB
MVP-6247/M32G	i7-12700E, R680E, 1x PCIe x16, 2x PCIe x4, 1x PCI, 2x DP, 2x HDMI, 3x 2.5GbE, 4x COM, 4x USB3Gen2, 2x USB3Gen1, USB 2 dongle, 8DI/8DO, 2x USIM, TPM2.0, M.2 (A,B,M), 2x 2.5" SATA, 1x DDR5 32GB
MVP-6247T/M32G	i7-12700TE, R680E, 1x PCIe x16, 2x PCIe x4, 1x PCI, 2x DP, 2x HDMI, 3x 2.5GbE, 4x COM, 4x USB3Gen2, 2x USB3Gen1, USB 2 dongle, 8DI/8DO, 2x USIM, TPM2.0, M.2 (A,B,M), 2x 2.5" SATA, 1x DDR5 32GB
MVP-6245T/M16G	i5-12500TE, R680E, 1x PCIe x16, 2x PCIe x4, 1x PCI, 2x DP, 2x HDMI, 3x 2.5GbE, 4x COM, 4x USB3Gen2, 2x USB3Gen1, USB 2 dongle, 8DI/8DO, 2x USIM, TPM2.0, M.2 (A,B,M), 2x 2.5" SATA, 1x DDR5 16GB

Ordering Information

MVP-622x Series 2 expansion slots

MVP-6229/M32G	i9-12900E, R680E, 1x PCIe x16, 1x PCI, 2x DP, 2x HDMI, 3x 2.5GbE, 4x COM, 4x USB3Gen2, 2x USB3Gen1, USB 2 dongle, 8DI/8DO, 2x USIM, TPM2.0, M.2 (A,B,M), 2x 2.5" SATA, 1x DDR5 32GB
MVP-6227/M32G	i7-12700E, R680E, 1 PCIe x16 + 1 PCI slots, 2x DP, 2x HDMI, 3x 2.5GbE, 4x COM, 4x USB3 Gen2, 4x USB3 Gen1, USB 2 dongle, 8DI/8DO, 2x USIM, TPM2.0, M.2 (A,B,M), 2x 2.5" SATA, 1x DDR5 32GB
MVP-6227T/M32G	i7-12700TE, R680E, 1x PCIe x16, 1x PCI, 2x DP, 2x HDMI, 3x 2.5GbE, 4x COM, 4x USB3Gen2, 2x USB3Gen1, USB 2 dongle, 8DI/8DO, 2x USIM, TPM2.0, M.2 (A,B,M), 2x 2.5" SATA, 1x DDR5 32GB
MVP-6225T/M16G	i5-12500TE, R680E, 1x PCIe x16, 1x PCI, 2x DP, 2x HDMI, 3x 2.5GbE, 4x COM, 4x USB3Gen2, 2x USB3Gen1, USB 2 dongle, 8DI/8DO, 2x USIM, TPM2.0, M.2 (A,B,M), 2x 2.5" SATA, 1x DDR5 16GB

Optional Accessories

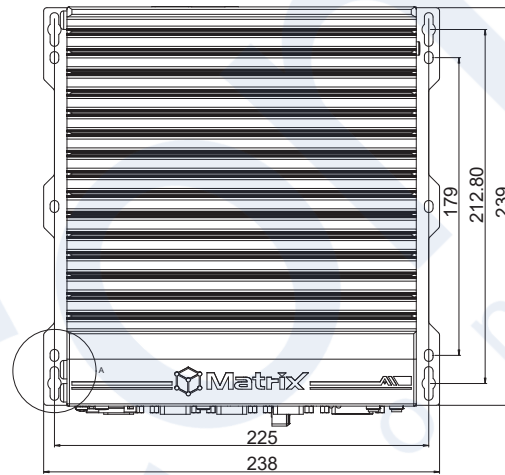
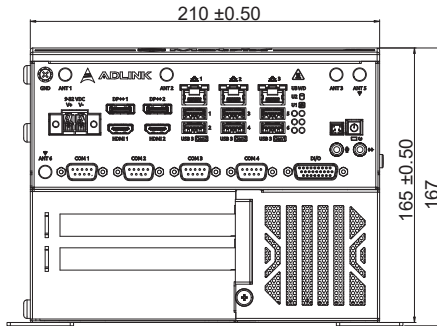
AC/DC Adapter	280W (P/N: 31-62162-1010-A0)
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MVP-6200	
System	
CPU	12th Gen. Intel® Celeron® or Core™ i3/ i5/ i7/ i9, up to 65W
RAM	DDR5 3600 MHz (up to 128GB), 4 x SODIMM (Optional: 16/32/64/128GB ECC, only for Intel® Core™ i9-12900E/i7-12700E/i5-12500E)
Storage	2x SATA + 1x SATA (optional)
OS	Optional Windows 10 IoT Enterprise 64-bit or Ubuntu 20.04
TPM	TPM 2.0 support
I/O Ports	
Control Button	1 power button and 1 reset button
HDMI	2x HDMI 1.4b
DisplayPort	2x DisplayPort 1.4
USB	4x USB 3.2 Gen2 (Type A) 2x USB 3.2 Gen 1 (Type A)
Ethernet (LAN A/B/C)	3x 2.5GBE with TSN supported (i225) 1x vPro supported
COM	COM1/2: RS-232/422/485 COM3/4: RS-232
Digital Audio	8 DI and 8 DO (Speaker-out) Line-out, MIC-IN
Backplane Extension	2 slots: 1x PCIe Gen4x16, 1x PCI x1 4 slots: 1x PCIe Gen4x16, 2xPCIe Gen3x4, 1x PCI x1
SMA Antenna Connector	6
LED Indicator	1 storage, 1 WDT, 1 diagnostic and 3 user-dfined
Extension Slots	
M.2	1x A+E Key 2230, 1 x B Key 3052/3042, and 1x M Key 2280
USB Dongle	USB 2.0
Power Supply	
DC Input	9 to 32V, 280W adapter (optional)
Mechanical	
Dimensions (W x D x H)	2 slots: 165mm x 240mm x 210mm (6.5" x 9.45" x 8.27") 4 slots: 206mm x 240mm x 210mm (8.11" x 9.45" x 8.27")
Weight	With 2 slots: 5.01 kg (11.04 lbs) With 4 slots: 5.4 kg (11.8 lbs)
Mounting	Wall mountable
Environmental	
Operating Temperature	-20°C to 60°C (35W CPU) -20°C to 50°C (65W CPU)
Operating Humidity	~95% @ 40°C (non-condensing)
Storage Temperature	-40°C to 85°C
Operating Vibration	Operating: 5Grms, random, 5-500Hz, 3 axes (w/SSD)
Operating Shock	Operating: 50G, half sine 11ms duration (w/SSD)
ESD	Contact +/-4KV, Air +/-8KV
Regulatory	EN61000-6-4/-2, CE & FCC Class A, UL/cUL, CB, CCC

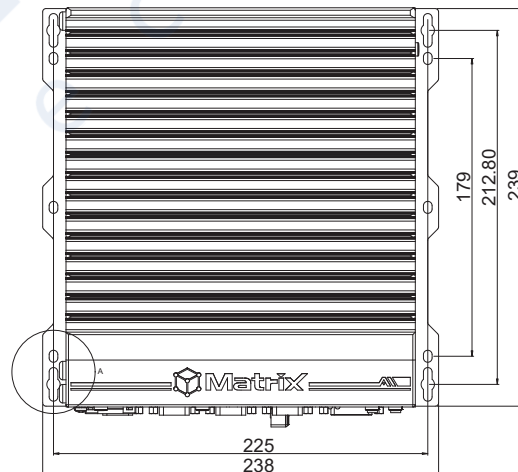
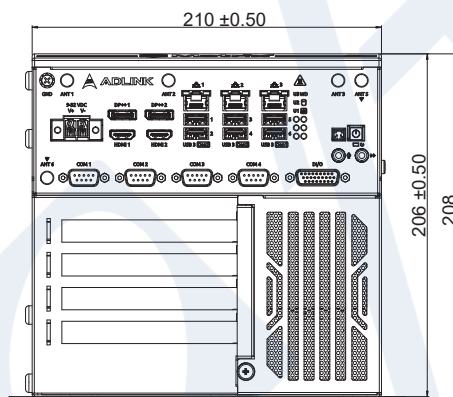
I/O View and Dimensions

Dimensions with Bracket

2 Slots



4 Slots



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