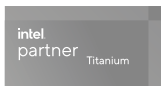


MVP-5200 Series

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



Features

- 12th generation Intel® Alder Lake-S socket type processor (LGA 1700)
- Microsoft® Windows® or Linux® Ubuntu operating system option
- Scalable with ADLINK AFM (Adaptive Function Module) slot, offering custom I/O arrangement and fast application-specific access
- Supports 1x MXM 3.1 Type A/B form factor GPU module expansion (MVP-5207-MXM)
- Rugged, fanless design for 24/7 operation
- Wide-temp operation from -20°C to 60°C
- Front accessible I/O ports, wall mounting supported

Ordering Information

MVP-5209/M32G	i9-12900E, R680E, DDR5 32GB, 2x DP++, 2x HDMI, 3x 2.5GbE, 2x RS-232/422/485, 2x RS-232, 6x USB3 Gen2, 8DI/8DO, TPM2.0, M.2(A,B,M), 2x 2.5" SATA slots
MVP-5207/M32G	i7-12700E, R680E, DDR5 32GB, 2x DP++, 2x HDMI, 3x 2.5GbE, 2x RS-232/422/485, 2x RS-232, 6x USB3 Gen2, 8DI/8DO, TPM2.0, M.2(A,B,M), 2x 2.5" SATA slots
MVP-5207T/M32G	i7-12700TE, R680E, DDR5 32GB, 2x DP++, 2x HDMI, 3x 2.5GbE, 2x RS-232/422/485, 2x RS-232, 6x USB3 Gen2, 8DI/8DO, TPM2.0, M.2(A,B,M), 2x 2.5" SATA slots
MVP-5205T/M32G	i5-12500TE, R680E, DDR5 32GB, 2x DP++, 2x HDMI, 3x 2.5GbE, 2x RS-232/422/485, 2x RS-232, 6x USB3 Gen2, 8DI/8DO, TPM2.0, M.2(A,B,M), 2x 2.5" SATA slots
MVP-5207-MXM	i7-12700E, R680E, DDR5 32GB, 2x DP++, 2x HDMI, 3x 2.5GbE, 2x RS-232/422/485, 2x RS-232, 6x USB3 Gen2, 8DI/8DO, TPM2.0, M.2(A,B,M), 512GB 2.5-inch SSD, MXM-A370M [PN: MVP-5207/M32G/S512G/A370M]

Optional Accessories

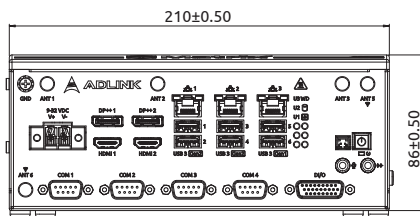
AC/DC Adapter	280W (P/N: 31-62162-1010-A0)
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MVP-5200

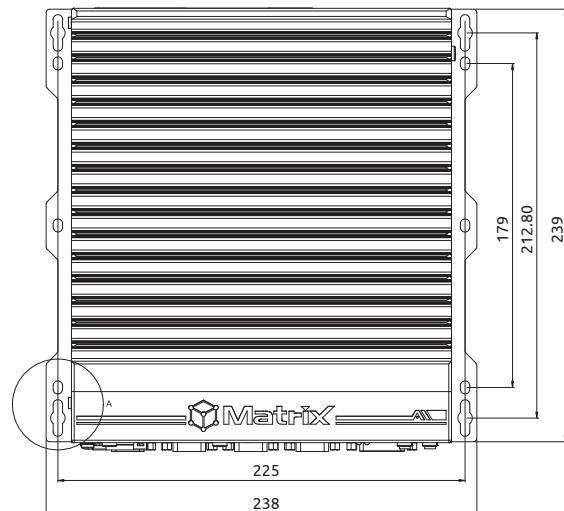
System	
CPU	12th Gen Intel® Core™ processors 65W: i9-12900E (8+8c), i7-12700E (8+4c), i5-12500E (6+0c), i3-12100E(4+0c) 35W: i9-12900TE (8+8c), i7-12700TE (8+4c), i5-12500TE (6+0c), i3-12100TE(4+0c)
RAM	DDR5 3600 MHz (up to 128GB), 4 x SODIMM (Optional: 16/32/64/128GB ECC, only for Intel® Core™ i9-12900E/i7-12700E/i5-12500E)
Storage	2x SATA IIIx (6Gb/s) for 2.5-inch SSD
OS	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	6x USB 3.2 Gen2 (Type A) 1x USB 2.0 internal dongle
Ethernet (LAN A/B/C)	3x 2.5GBE with TSN supported (i225)
COM	COM1/2: RS-232/422/485 COM3/4: RS-232
Digital	8 DI and 8 DO
Audio	(Speaker-out) Line-out, MIC-IN
SMA Antenna Connector	6
LED Indicator	1 storage, 1 WDT, 1 diagnostic and 3 user-defined

Extension Slots	
M.2	1x A+E Key 2230, 1x B Key 3052/3042, and 1x M Key 2280
Power Supply	
DC Input	9 to 32V, 280W adapter (optional)
Mechanical	
Dimensions (W x D x H)	210mm x 240mm x 86mm (8.27" x 9.45" x 3.39")
Weight	4.9 kg (10.73 lbs)
Mounting	Wall mount
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



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