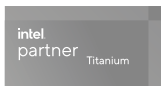


MVP-5200 Series

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

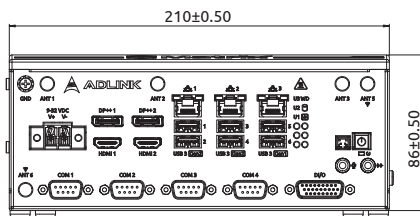
| | |
|---------------|------------------------------|
| AC/DC Adapter | 280W (P/N: 31-62162-1010-A0) |
|---------------|------------------------------|

MVP-5200

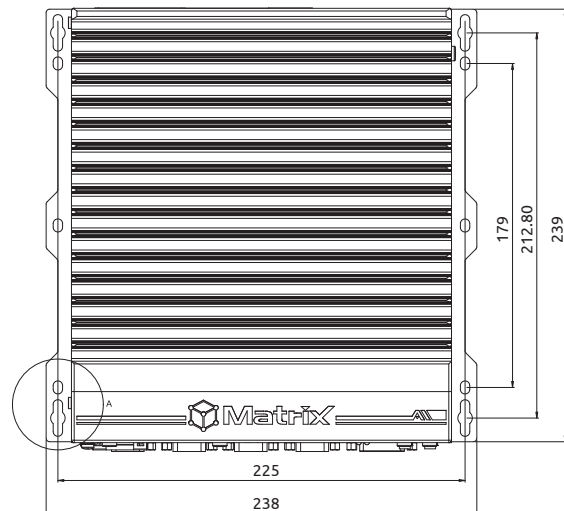
| System | |
|--------------------------|--|
| CPU | 12th Gen Intel® Core™ processors 65W: i9-12900E (8+8c), i7-12700E (8+4c), i5-12500E (6+0c), i3-12100E(4+0c) 35W: i9-12900TE (8+8c), i7-12700TE (8+4c), i5-12500TE (6+0c), i3-12100TE(4+0c) |
| RAM | DDR5 3600 MHz (up to 128GB), 4 x SODIMM (Optional: 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





Authorized Distributor

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sales@wdsystems.com

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919-545-2500

220 Chatham Business Drive
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