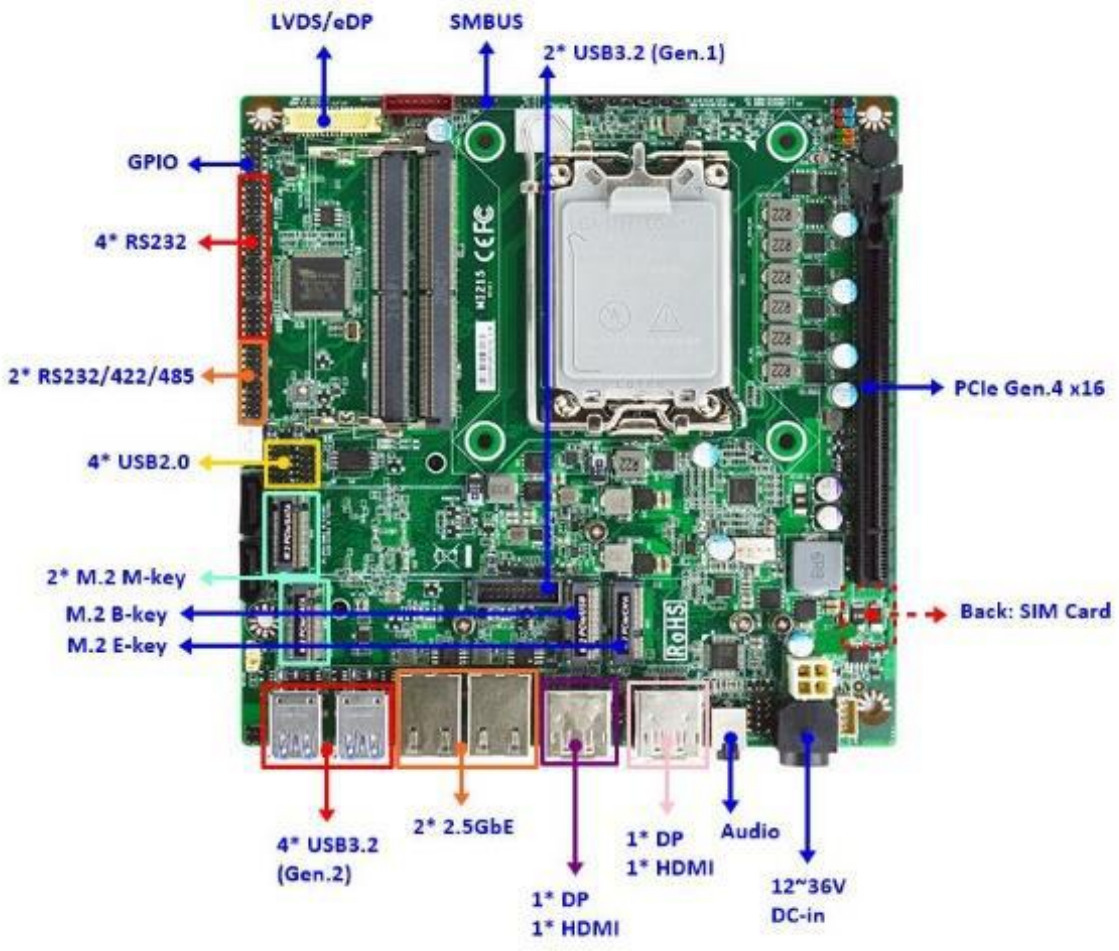
MI215

MITX 12/13/14th Gen Alder Lake Industrial Board
Q670E/R680E / 4 Displays / 4 * M.2 Slots / 12-36V



Features

1. Long-Life Embedded Class Industrial Motherboard
2. Supports 12/13/14th Gen Intel Processors up to 65W, Alder Lake, Raptor Lake
3. Supports DDR5-5600 up to up to 64GB Total
4. Up to 4 Displays, 2*HDMI 4K@60, 2*DP 4K@60, eDP/LVDS
5. 2 * Intel 2.5GBE, HD Audio, 2 * SATA3 RAID
6. 1 * M.2 SATA & PCIE 4.0 x4, 1 * M.2 SATA & PCIE 3.0 x4
7. M.2 2230 for WIFI, M.2 3042 with SIM slot for Cellular
8. 4 * USB 3.2 Gen2, 2 * USB 3.2 Gen1, 4 * USB 2.0
9. PCIE 4.0 x16 slot, 6 * Serial Ports, TPM2 IC Optional
10. Watchdog Timer, 8bit GPIO
11. Compatible with Windows 10/11 64bit, Latest Linux
12. Thin Mini-ITX Form Factor (170mm x 170mm



Model / Series	■ MI215
Part No	■ MI215Q6700-A1, MI215Q6702-A1 (TPM2) ■ MI215R6800-A1, MI215R6802-A1 (TPM2)
Processor	■ Socket LGA1700, Supports 12/13/14th Gen Intel processors up to 65W, Alder Lake, Raptor Lake, Raptor Lake Refresh
Chipset	■ Intel Q670E / R680E
Video	■ Intel UHD Graphics
Memory	■ 2 * DDR5-4800 SODIMM Non-ECC up 64GB total (R680E supports ECC/Non-ECC) ■ *12th Gen CPU supports DDR5-4800
Expansion Slots	■ PCIE 4.0 x16 slot (Max 70W) (x16 or x8/x8 bifurcation) ■ M.2 E-key 2230 (USB2/PCIE/CNVI) ■ M.2 B-key 3042/3052 with SIM slot for Cellular (USB3/USB2/PCIE)
Storage	■ 2 * SATA3 6Gb/s ports ■ M.2 M-key 2242 SATA & PCIE 4.0 x4 ■ M.2 M-key 2280 SATA & PCIE 3.0 x4
Audio	■ Realtek HD audio with 3W Amp
Network	■ 1 * Intel i226-V 2.5GbE, 1 * Intel i226-LM (iAMT)
Other Features	■ Support ACPI S3, AHCI, CPU Smart FAN, Watchdog Timer 10-255 min/sec, TPM2 Optional
Rear Panel I/O	■ 4 * USB 3.2 Gen2 (10Gb/s), 2 * RJ45 ports, 1 * line-out/Mic combo ■ 4 Displays: 2*HDMI 2.0b 4K@60Hz, 2*Displayport 1.4a 4K@60Hz ■ 12-36V DC-in 4pin Mini-din
Internal I/O	■ 1 * USB header for 2 * USB 3.2 Gen1, 2 * USB headers for 4 * USB 2.0 ports ■ eDP/LVDS combo header, 6 * Serial headers (4 * RS232, 2 * RS232/422/485) ■ AT/ATX mode, SMBUS, 8bit GPIO, Chassis Intrusion header ■ 4-pin 12-36V Alternate power connector
BIOS	■ AMI UEFI Flash ROM with Intel PTT (TPM2 emulation)
Box Contents	■ Motherboard, I/O Shield, SATA cable
Certification	■ CE, FCC, RoHS, ErP
Temperature	■ Operating Temperature 0 - 60° C ■ Storage Temperature -20 - 85° C
Form Factor	■ Mini-ITX Form Factor (170mm x 170mm)
Warranty	■ 2 Years Limited Warranty

*Specifications subject to change without notice, not responsible for typographical errors.

JETWAY
Tech.On The Move

Jetway Computer Corporation
Phone: 510-857-0130 Fax: 510-857-0138
8058 Central Ave., Newark, CA 94560
www.jetwaycomputer.com