MI225

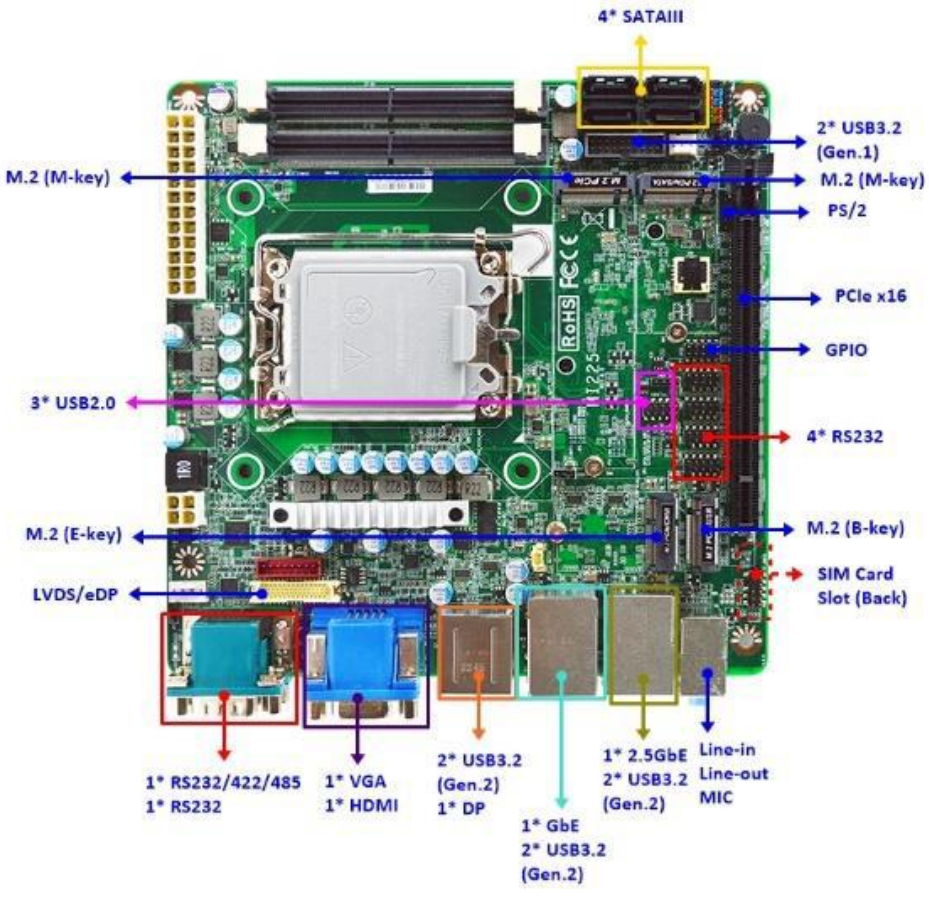
MITX 12/13/14th Gen Alder Lake Industrial Board
Q670E/R680E (ECC) / 4*Displays / 4*M.2 Slots





Features

1. Long-Life Embedded Class Industrial Motherboard
2. Supports 12/13/14th Gen Intel Processors up to 65W, Alder Lake, Raptor Lake, vPro Capable
3. Supports DDR5-5600 up to 64GB Total (R680E ECC support)
4. Up to 4 Displays, HDMI 4K@60, DP 4K@60, VGA, eDP/LVDS
5. 1 * Intel 2.5GBE, 1 * Intel 1GBE, iAMT, HD Audio
6. 4*SATA3 RAID, 1*M.2 SATA/PCIE 4.0 x4, 1*M.2 PCIE 3.0 x4
7. M.2 2230 for WIFI, M.2 3042 with SIM slot for Cellular
8. 6 * USB 3.2 Gen2, 2 * USB 3.2 Gen1, 3 * 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. Mini-ITX Form Factor (170mm x 170mm



Model / Series	■ MI225	
Part No	■ MI225Q6700-A1 ■ MI225Q6702-A1 (TPM2)	■ MI225R6800-A1 ■ MI225R6802-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	■ Intel R680E
Video	■ Intel UHD Graphics	
Memory	■ 2 * DDR5-5600 SODIMM Non-ECC up to 64GB total ■ *12th Gen CPU supports DDR5-4800	■ 2 * DDR5-5600 SODIMM ECC/Non-ECC up to 64GB total ■ *12th Gen CPU supports DDR5-4800
Expansion Slots	■ PCIE 4.0 x16 slot (x16 or x8/x8 bifurcation) ■ M.2 E-key 2230 (USB2/PCIE), M.2 B-key 3042 with SIM slot for Cellular (USB3/USB2/PCIE)	
Storage	■ 4 * SATA3 6Gb/s ports supporting RAID 0/1/5/10 ■ M.2 M-key 2242 SATA/PCIE 4.0 x4 ■ M.2 M-key 2280 PCIE 3.0 x4	
Audio	■ Realtek HD audio	
Network	■ 1 * Intel i226-V 2.5GbE , 1 * Intel i219-LM gigabit LAN (IAMT)	
Other Features	■ Support ACPI S3, AHCI, CPU Smart FAN, Watchdog Timer 10-255 min/sec, TPM2 Optional	
Rear Panel I/O	■ 6 * USB 3.2 Gen2 (10Gb/s) ■ 2 * RJ45 ports, 2 * Serial (1 * RS232/422/485, 1 * RS232), line-in, line-out, Mic ■ 4 Displays: HDMI 2.0b 4K@60Hz, Displayport 1.4a 4K@60Hz, VGA 1080p, eDP/LVDS combo	
Internal I/O	■ 1 * USB header for 2 * USB 3.2 Gen1 (20pin) ■ 2 * USB header for 3 * USB 2.0 ports, 4 * Serial headers (RS232) ■ AT/ATX mode, SMBUS, 8bit GPIO, Chassis Intrusion header, PS/2 combo header ■ 24-pin ATX + 4-pin 12V power connectors	
BIOS	■ AMI UEFI Flash ROM with Intel PTT (TPM2 emulation)	
Box Contents	■ Motherboard, I/O Shield, SATA cable, COM 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.

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