

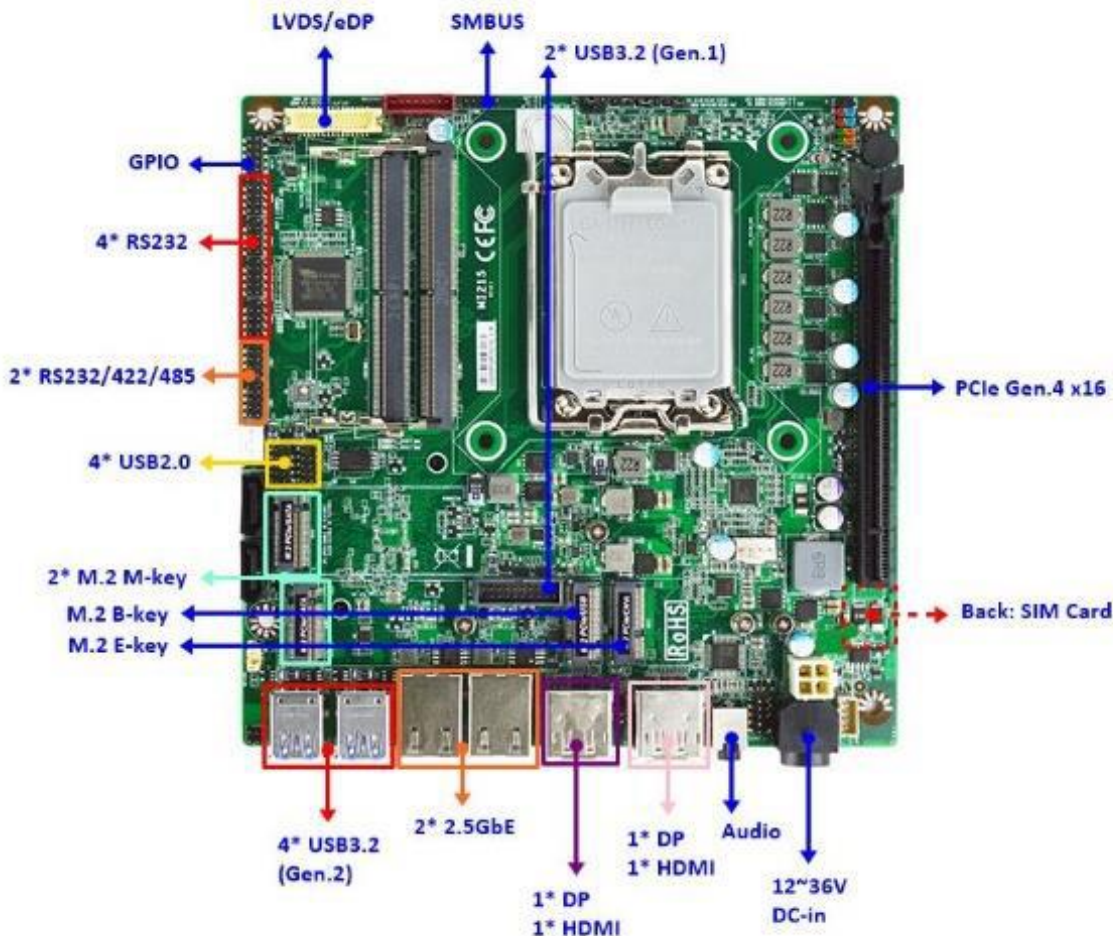
# MI215

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



### Features

1. Long-Life Embedded Class Industrial Motherboard with Planned Lifecycle Through Q1'2037
2. Supports 12/13/14<sup>th</sup> 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)



<b>Model / Series</b>	<ul style="list-style-type: none"> <li>MI215</li> </ul>
<b>Part No</b>	<ul style="list-style-type: none"> <li>MI215Q6700, MI215Q6702 (TPM2)</li> <li>MI215R6800, MI215R6802 (TPM2)</li> </ul>
<b>Processor</b>	<ul style="list-style-type: none"> <li>Socket LGA1700, Supports 12/13/14<sup>th</sup> Gen Intel processors up to 65W, Alder Lake, Raptor Lake, Raptor Lake Refresh</li> </ul>
<b>Chipset</b>	<ul style="list-style-type: none"> <li>Intel Q670E / R680E</li> </ul>
<b>Video</b>	<ul style="list-style-type: none"> <li>Intel UHD Graphics</li> </ul>
<b>Memory</b>	<ul style="list-style-type: none"> <li>2 * DDR5-4800 SODIMM Non-ECC up 64GB total (R680E supports ECC/Non-ECC)</li> <li>*12th Gen CPU supports DDR5-4800</li> </ul>
<b>Expansion Slots</b>	<ul style="list-style-type: none"> <li>PCIE 4.0 x16 slot (Max 70W) (x16 or x8/x8 bifurcation)</li> <li>M.2 E-key 2230 (USB2/PCIE/CNVI)</li> <li>M.2 B-key 3042/3052 with SIM slot for Cellular (USB3/USB2/PCIE)</li> </ul>
<b>Storage</b>	<ul style="list-style-type: none"> <li>2 * SATA3 6Gb/s ports</li> <li>M.2 M-key 2242 SATA &amp; PCIE 4.0 x4</li> <li>M.2 M-key 2280 SATA &amp; PCIE 3.0 x4</li> </ul>
<b>Audio</b>	<ul style="list-style-type: none"> <li>Realtek HD audio with 3W Amp</li> </ul>
<b>Network</b>	<ul style="list-style-type: none"> <li>1 * Intel i225/i226-V 2.5GbE, 1 * Intel i225/i226-LM (iAMT)</li> </ul>
<b>Other Features</b>	<ul style="list-style-type: none"> <li>Support ACPI S3, AHCI, CPU Smart FAN, Watchdog Timer 10-255 min/sec, TPM2 Optional</li> </ul>
<b>Rear Panel I/O</b>	<ul style="list-style-type: none"> <li>4 * USB 3.2 Gen2 (10Gb/s), 2 * RJ45 ports, 1 * line-out/Mic combo</li> <li>4 Displays: 2*HDMI 2.0b 4K@60Hz, 2*Displayport 1.4a 4K@60Hz</li> <li>12-36V DC-in 4pin Mini-din</li> </ul>
<b>Internal I/O</b>	<ul style="list-style-type: none"> <li>1 * USB header for 2 * USB 3.2 Gen1, 2 * USB headers for 4 * USB 2.0 ports</li> <li>eDP/LVDS combo header, 6 * Serial headers (4 * RS232, 2 * RS232/422/485)</li> <li>AT/ATX mode, SMBUS, 8bit GPIO, Chassis Intrusion header</li> <li>4-pin 12-36V Alternate power connector</li> </ul>
<b>BIOS</b>	<ul style="list-style-type: none"> <li>AMI UEFI Flash ROM with Intel PTT (TPM2 emulation)</li> </ul>
<b>Box Contents</b>	<ul style="list-style-type: none"> <li>Motherboard, I/O Shield, SATA cable</li> </ul>
<b>Certification</b>	<ul style="list-style-type: none"> <li>CE, FCC, RoHS, ErP</li> </ul>
<b>Temperature</b>	<ul style="list-style-type: none"> <li>Operating Temperature 0 - 60° C</li> <li>Storage Temperature -20 - 85° C</li> </ul>
<b>Form Factor</b>	<ul style="list-style-type: none"> <li>Mini-ITX Form Factor (170mm x 170mm)</li> </ul>
<b>Warranty</b>	<ul style="list-style-type: none"> <li>2 Years Limited Warranty</li> </ul>

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



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