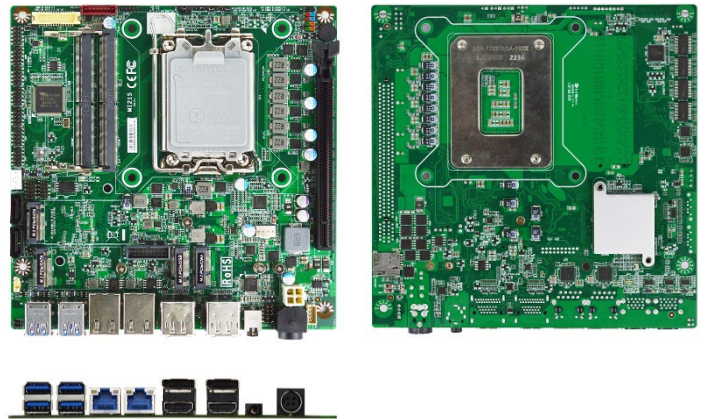


MI215R6800 Series

Intel R680E Chipset support LGA 1700 socket for the Intel® 14th/13th/12th Gen (Raptor Lake-S/Alder Lake-S) i9/i7/i5/i3 processor, support DDR5-5600MHz/4800MHz up to 64GB, Support Max. 65W TDPs under 180A

Features

1. Intel® 14th/13th/12th LGA1700 Socket Processor (Max. 65W TDPs under 180A)
2. Two DDR5 5600MHz/4800MHz SO-DIMM up to 64GB
3. Two 10/100/1000/2500 Base-T Ethernet Ports
4. Two M.2 M-key Sockets support NVMe, One M.2 E-key Socket supports CNVio, One M.2 B-key Socket supports 4G/5G module
5. Single PCI Express x16(Gen.4) support Max. 70W
6. 2* HDMI and 2* DP, 1* LVDS/eDP support Quad displays
7. 2* RS232/422/485, 4* RS232, 4* USB3.2(Gen.2), 2* USB3.2 (Gen.1), 4* USB2.0
7. Two SATAIII ports up to 6Gb/s support RAID 0/1
8. Support JetBIOS SW back up tool
9. Support onboard TPM2.0 option (Only MI215R6802 Series)
10. Support wide voltage 12V~36V DC-in
11. Support RVP, OCP, and OVP design

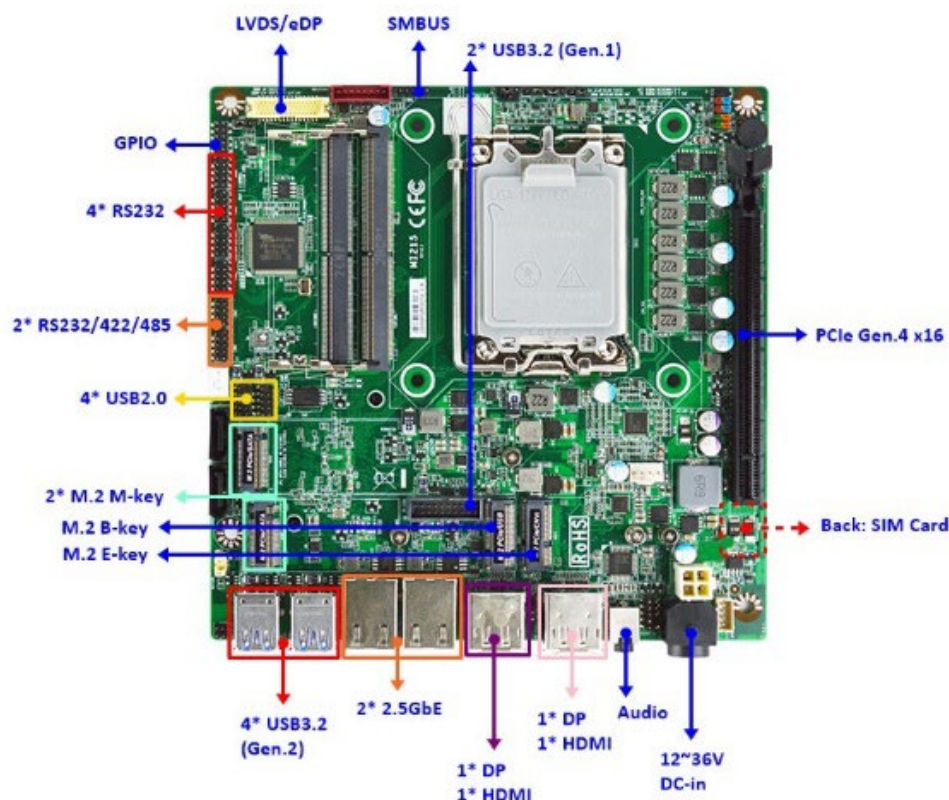


intel. FC CE RoHS COMPLIANT

Application

Automation / Digital Signage / KIOSK / Intelligent Home / IOT Solution

I/O Diagram



Specifications

Model	<ul style="list-style-type: none"> • MI215R6800 • MI215R6802 (TPM2.0)
Form Factor	<ul style="list-style-type: none"> • Slim Mini ITX (170 * 170mm)
Processor System	<ul style="list-style-type: none"> • Intel® 14th/13th/12th Gen (Raptor Lake-S/Alder Lake-S) LGA1700 Socket Core i9/i7/i5/i3/Pentium/Celeron Processor • Max. 65W TDPs under 180A • AMI Flash ROM BIOS
Memory	<ul style="list-style-type: none"> • Intel® 14th/13th CPU support 2* DDR5 5600MHz Dual Channel ECC SO-DIMM up to 64GB • Intel® 12th CPU support 2* DDR5 4800MHz Dual Channel ECC SO-DIMM up to 64GB
Storage	<ul style="list-style-type: none"> • 2* SATAIII (6 Gb/s) support RAID 0/1 • 1* M.2 M-key (2242, SATA/PCIe Gen.4 x4 interface) support NVMe • 1* M.2 M-key (2280, SATA/PCIe Gen.3 x4 interface) support NVMe
Expansion	<ul style="list-style-type: none"> • 1* M.2 E-key (2230, PCIe x1/USB2.0 interface) support CNVio for Wi-Fi • 1* M.2 B-key (3042/3052, USB3.1/USB2.0/PCIe x1 interface) support 4G/5G module • 1* PCIe (Gen.4) x16 support PCIe card up to Max. 70W
Ethernet	<ul style="list-style-type: none"> • 1* Intel i225-V 2.5GbE • 1* Intel i225-LM 2.5GbE
Graphics	<ul style="list-style-type: none"> • Intel® HD Graphics, shared memory • 2* DP1.4a (Max Resolution: 4096x2304@60Hz) • 2* HDMI 2.0b (Max Resolution: 4096x2160@60Hz) • 1* LVDS/eDP (Max. Resolution: 1920x1200@60Hz) <p>Support Quad Displays</p>
Audio	<ul style="list-style-type: none"> • HD audio: Realtek ALC888S (with 3W Amp.)
Watchdog Timer	<ul style="list-style-type: none"> • From Super I/O to drag RESETCON# • 256 segments (10sec ~ 255min)
Internal I/O	<ul style="list-style-type: none"> • 2* USB3.2 (Gen.1) • 4* USB 2.0 • 2* RS232/422/485 • 4* RS232 • 2* SATAIII • 1* LVDS (co-lay eDP) • 1* Chassis intrusion • 1* Audio Header • 1* SIM card slot • 1* GPIO • 1* SMBUS • 1* AT mode
External I/O	<ul style="list-style-type: none"> • 4* USB3.2 (Gen.2) • 2* 2.5GbE • 2* HDMI 2.0b • 2* DP1.4a • 1* Audio jack (Line-out/MIC combo) • 1* 12V~36V DC-in jack
Power	<p>12V~36V DC-in, AT/ATX Supported</p> <ul style="list-style-type: none"> - AT: Directly PWR on as Power input ready - ATX: Press Button to PWR on after Power input ready
Compliance	CE, FCC, LVD, RoHS, REACH
Temperature	<ul style="list-style-type: none"> • Operating Temperature: 0 ~ 60° C • Storage Temperature: -20 ~ 85° C • Humidity: 10% ~ 90% RH @40°C (non-condensing)
OS Support	<ul style="list-style-type: none"> • Linux • Windows 10 • Windows 11
Warranty	<ul style="list-style-type: none"> • 2 Years limited warranty

* Specifications subject to change without notice, not responsible for typographical errors. Does not include HDD or OS.

Standard Accessories

Part Number	Description
MI215R6800 Series	MI215R6800 Series M/B
F04-MB-098-F	I/O Shield
G01-COM-H2M22-1F	2* COM Cable
G01-SATA3-BL-1F	1* SATAIII cable
G01-PW4PS-2S-323F	1* SATA Power cable

Mechanical Drawings (Unit=mm)

