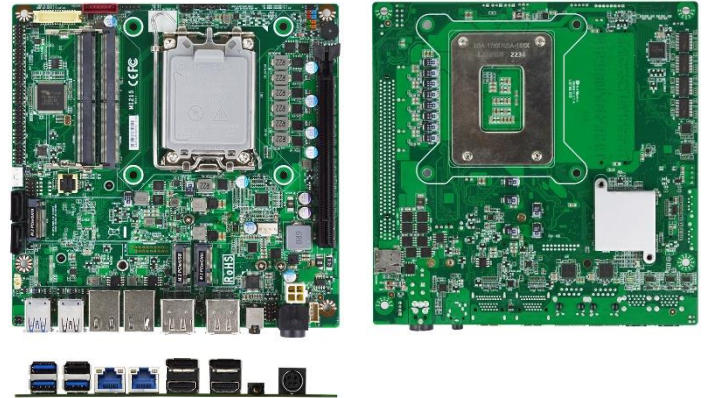


# MI215H6100 Series

Intel® H610/H610E Chipset support LGA 1700 socket for the 13th/12th Gen (Raptor Lake-S/Alder Lake-S) i9/i7/i5/i3 processor, support DDR5 up to 64GB, Support Max. 65W TDPs under 180A

## Features

1. Intel® 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. One M.2 M-key Sockets, 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, 2\* DP, 1\* LVDS/eDP support Triple displays
7. 2\* RS232/422/485, 4\* RS232, 2\* USB3.2(Gen.2), 1\* USB3.2 (Gen.1), 3\* USB2.0
8. Two SATAIII ports up to 6Gb/s
9. Support JetBIOS SW back up tool
10. Support onboard TPM2.0 option (Only MI215H6102 Series)
11. Support wide voltage 12V~36V DC-in

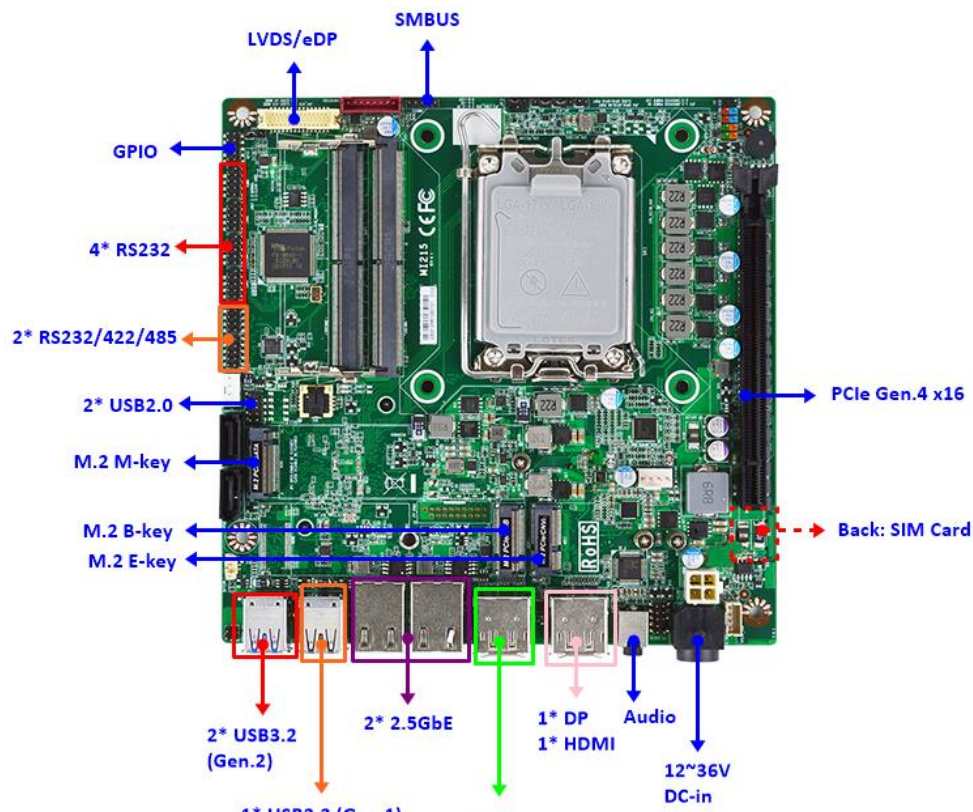


intel. FC CE RoHS COMPLIANT

## Application

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

## I/O Diagram



## Specifications

<b>Model</b>	<ul style="list-style-type: none"> <li>• MI215H6100</li> <li>• MI215H6102 (TPM2.0)</li> </ul>
<b>Form Factor</b>	<ul style="list-style-type: none"> <li>• Slim Mini ITX (170 * 170mm)</li> </ul>
<b>Processor System</b>	<ul style="list-style-type: none"> <li>• Intel® 13th /12th (Raptor Lake-S/Alder Lake-S) LGA1700 Socket Core i9/i7/i5/i3/Pentium/Celeron Processor</li> <li>• Max. 65W TDPs under 180A</li> <li>• Intel H610/H610E chipset (Default: H610)</li> <li>• AMI Flash ROM BIOS</li> </ul>
<b>Memory</b>	<ul style="list-style-type: none"> <li>• Intel® 13th CPU support 2* DDR5 5600MHz Dual Channel SO-DIMM up to 64GB</li> <li>• Intel® 12th CPU support 2* DDR5 4800MHz Dual Channel SO-DIMM up to 64GB</li> </ul>
<b>Storage</b>	<ul style="list-style-type: none"> <li>• 2* SATAIII (6 Gb/s)</li> <li>• 1* M.2 M-key (2280, SATA/PCIe Gen.3 x4 interface)</li> </ul>
<b>Expansion</b>	<ul style="list-style-type: none"> <li>• 1* M.2 E-key (2230, PCIe x1/USB2.0 interface) support CNVio for Wi-Fi</li> <li>• 1* M.2 B-key (3042/3052, USB3.1/USB2.0/PCIe x1 interface) support 4G/5G module</li> <li>• 1* PCIe (Gen.4) x16 support PCIe card up to Max. 70W</li> </ul>
<b>Ethernet</b>	<ul style="list-style-type: none"> <li>• 2* Intel i225-V 2.5GbE</li> </ul>
<b>Graphics</b>	<ul style="list-style-type: none"> <li>• Intel® HD Graphics, shared memory</li> <li>• 2* DP1.4a (Max Resolution: 4096x2304@60Hz)</li> <li>• 2* HDMI 2.0b (Max Resolution: 4096x2160@60Hz)</li> <li>• 1* LVDS/eDP (Max. Resolution: 1920x1200@60Hz) Support Triple Displays</li> </ul>
<b>Audio</b>	<ul style="list-style-type: none"> <li>• HD audio: Realtek ALC888S (with 3W Amp.)</li> </ul>
<b>Watchdog Timer</b>	<ul style="list-style-type: none"> <li>• From Super I/O to drag RESETCON#</li> <li>• 256 segments (10sec ~ 255min)</li> </ul>
<b>Internal I/O</b>	<ul style="list-style-type: none"> <li>• 2* USB 2.0</li> <li>• 2* RS232/422/485</li> <li>• 4* RS232</li> <li>• 2* SATAIII</li> <li>• 1* LVDS (co-lay eDP)</li> <li>• 1* Chassis intrusion</li> <li>• 1* Audio Header</li> <li>• 1* SIM card slot</li> <li>• 1* GPIO</li> <li>• 1* SMBUS</li> <li>• 1* AT mode</li> </ul>
<b>External I/O</b>	<ul style="list-style-type: none"> <li>• 2* USB3.2 (Gen.2)</li> <li>• 1* USB3.2 (Gen.1)</li> <li>• 1* USB2.0</li> <li>• 2* 2.5GbE</li> <li>• 2* HDMI 2.0b</li> <li>• 2* DP1.4a</li> <li>• 1* Audio jack (Line-out/MIC combo)</li> <li>• 1* 12V~36V DC-in jack</li> </ul>
<b>Power</b>	<p>12V~36V DC-in, AT/ATX Supported</p> <ul style="list-style-type: none"> <li>- AT: Directly PWR on as Power input ready</li> <li>- ATX: Press Button to PWR on after Power input ready</li> </ul>
<b>Compliance</b>	CE, FCC, LVD, RoHS, REACH
<b>Temperature</b>	<ul style="list-style-type: none"> <li>• Operating Temperature: 0 ~ 60° C</li> <li>• Storage Temperature: -20 ~ 85° C</li> <li>• Humidity: 10% ~ 90% RH @40°C (non-condensing)</li> </ul>
<b>OS Support</b>	<ul style="list-style-type: none"> <li>• Linux</li> <li>• Windows 10</li> <li>• Windows 11</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. Does not include HDD or OS.

## Standard Accessories

Part Number	Description
MI215H6100 Series	MI215H6100 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)

