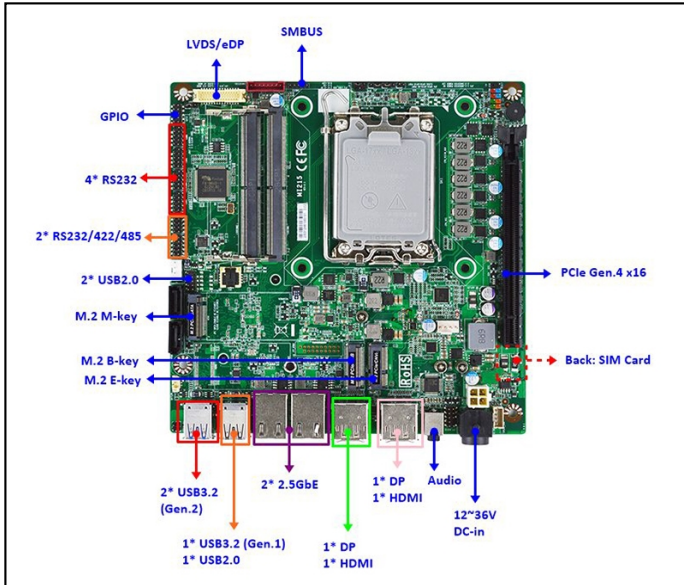


MI215H6100-A01



Mini-ITX

Mini-ITX Motherboard with Intel® H610 Chipset, LGA 1700 socket supporting i9/i7/i5/i3 processors, 12V–36V DC-in



Features

- Powered by Intel® 14th/13th/12th Gen LGA1700 Socket Processors (Max 65W TDP)
- High-Performance Memory: 2 x DDR5 4800MHz SO-DIMM, up to 96GB
- Dual 2.5GbE LAN: High-speed networking
- Triple Display Support: 2 x HDMI®, 2 x DP, 1 x LVDS/eDP for 4K displays
- Storage & Expansion: 1 x SATA, 1 x M.2 M-key, 1 x M.2 E-key, 1 x M.2 B-key for 4G/5G, 1 x PCIe x16 (Gen 4)
- Comprehensive I/O: 2 x RS232/422/485, 4 x RS232, 2 x USB 3.2 Gen2, 1 x USB 3.2, 3 x USB 2.0
- Wide Range Power Input: DC-in 12V–36V for industrial applications
- Advanced Power Protection: Supports RVP, OCP, and OVP

Packing List

PART NUMBER	DESCRIPTION	QTY
MI215H6100 Series	MI215H6100 Series M/B	1
F04-MB-098-F	I/O Shield	1
G01-COM-H2M22-1F	COM Cable	2
G01-SATA3-BL-1F	SATA III Cable	1
G01-PW4PS-2S-323F	SATA Power Cable	1

Specifications

SYSTEM	
MB FORM FACTOR	Mini-ITX
CPU	Intel® LGA1700 12/13/14th Gen Socket Processor (Formerly Alder Lake-S, TDP 65W)
CHIPSET	Intel® H610/H610E
MEMORY	2 x DDR5 4800MT/s, Dual Channel SO-DIMM, up to 96GB Actual memory support depends on the specific CPU and model
BIOS	AMI Flash ROM
WATCHDOG TIMER	255 Levels
SECURITY	—
DIMENSION (W X D)	170.0 (W) x 170.0 (D) mm (6.7" x 6.7")
OS SUPPORT	Windows® 11 (64bit) Windows® 10 (64bit) Linux
POWER	
POWER REQUIREMENT	DC-in 12~36V
POWER ON MODE	AT / ATX
CONNECTOR	DC Jack
DISPLAY	
GPU	Intel® HD Graphics
LVDS	1 x LVDS (Max. Resolution: 1920 x 1200 @60Hz, Co-lay eDP)
DP	2 x DP1.4a (Max Resolution: 4096 x 2304@60Hz)
HDMI®	2 x HDMI® 2.0b (Max Resolution: 4096 x 2160@60Hz)
MULTIPLE DISPLAY	Support 3 Displays
AUDIO	
CODEC	Realtek Audio Codec
COMBO	1 x Combo Audio Jack for Line-Out / Mic-In
AMPLIFIER	3W
LAN	
ETHERNET	2 x RJ45 for Intel® I226-V 2.5GbE
USB PORT	
USB	2 x USB 3.2 Gen 2x1 (10Gbps, Formerly USB 3.1 Gen 2) 1 x USB 3.2 Gen 1x1 (5Gbps, Formerly USB 3.1 Gen 1) 1 x USB 2.0 Internal Header for 2 x USB 2.0
SERIAL PORT	
COM	Internal Header for 2 x RS-232/422/485 Internal Header for 4 x RS-232
INTERNAL I/O	
GPIO	8-Bit
SMBUS	Yes
ADDITIONAL	1 x LVDS (co-layout eDP) 1 x Chassis Intrusion 1 x Audio Header 1 x AT Mode Selection
STORAGE	
SATA	2 x SATA III 1 x SATA Power Connector
EXPANSION	
M.2	1 x M-key 2280 (SATA/PCIe Gen.3 x4 interface) 1 x E-Key 2230 (USB 2.0/PCIe x1) Support CNVio for Wi-Fi 1 x B-key 3042/3052 (USB3.1/USB2.0/PCIe x1) for 4G/5G module
PCIe	1 x PCIe x16 (Gen.4)
SIM	1 x SIM Card Slot
ENVIRONMENT & CERTIFICATION	
SHOCK	15G, 11ms duration
VIBRATION	1 Grms/ 5~ 500Hz/ Operation
OPERATING TEMPERATURE	0°C ~ 60°C (32°F ~ 140°F)
STORAGE TEMPERATURE	-20°C ~ 85°C (-4°F ~ 185°F)
OPERATING HUMIDITY	10 ~ 90% Relative Humidity, Non-condensing
CERTIFICATION	CE/FCC Class A LVD
ESG DECLARATION	EU RoHS China RoHS REACH

Dimension

Unit: mm

