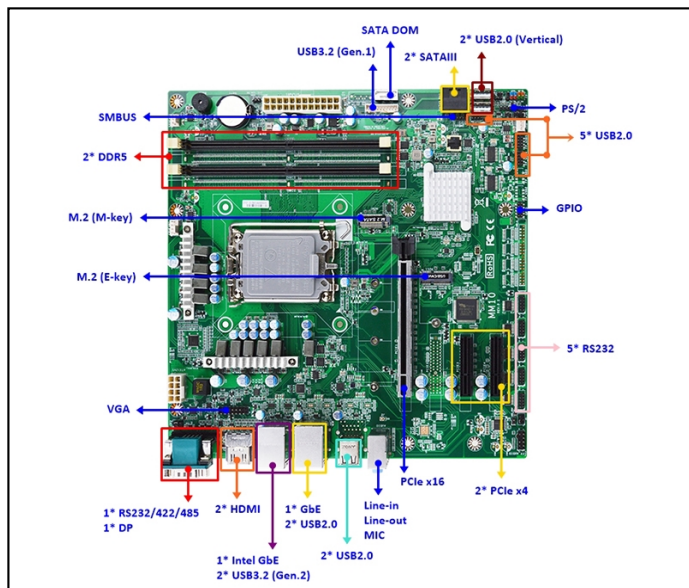


MM10-H6100



Micro-ATX

Micro-ATX Motherboard with Intel® LGA1700 12/13/14th Gen Socket Processor and H610 Chipset



Features

- Powered by Intel® LGA1700 12/13/14th Gen Socket Processor (Formerly Alder Lake-S, TDP 125W)
- Robust Memory: 2 x DDR5 4800MT/s/4000MT/s UDIMM, up to 96GB memory capacity
- Multiple Display Outputs: 2 x 4K HDMI® 2.0b, 1 x 4K DP 1.4a, 1 x VGA, supporting triple displays
- Comprehensive Connectivity: 6 x COM ports, 2 x USB 3.2 Gen.2, 1 x USB 3.2 Gen.1, 11 x USB 2.0
- Flexible Storage Expansion: 3 x SATA III, 1 x M.2 M-Key (2242/2260/2280/22110)
- High Expandability: 1 x PCIe Gen.5 x16, 2 x PCIe Gen.3 x4, 1 x M.2 E-Key (2230)

Packing List

PART NUMBER	DESCRIPTION	QTY
MM10-H6100 Series	MM10-H6100 Series M/B	1
F04-MB-090-F	MM10 I/O Shield	1
G01-SATA3-BL-1F	SATA Cable	2
G01-COM-H2M22-1F	COM Cable	3

Specifications

SYSTEM	
MB FORM FACTOR	Micro-ATX
CPU	Intel® LGA1700 12/13/14th Gen Socket Processor (Formerly Alder Lake-S, TDP 125W)
CHIPSET	Intel® H610
MEMORY	2 x DDR5 4800/4000MT/s Dual Channel U-DIMM, up to 96GB
BIOS	AMI 256Mb Flash ROM
WATCHDOG TIMER	255 Levels
SECURITY	—
DIMENSION (W X D)	244.0 (W) x 244.0(D) mm (9.6" x 9.6")
OS SUPPORT	Windows® 11 (64bit) Windows® 10 (64bit) Windows® 10 (32bit) Linux
POWER	
POWER REQUIREMENT	ATX Power Supply
POWER ON MODE	AT / ATX
CONNECTOR	24+8-pin ATX PWR
DISPLAY	
GPU	Intel® UHD Graphics
DP	1 x DP1.4a (Max Resolution: 4096 x 2304@60Hz)
HDMI®	2 x HDMI® 2.0b (Max Resolution: 4096 x 2160@60Hz)
VGA	1 x VGA (Max Resolution: 1920 x 1080 @60Hz)
MULTIPLE DISPLAY	Support 3 Displays
AUDIO	
CODEC	Realtek Audio Codec
Line-in	1 x Audio Jack for Line-In
Line-out	1 x Audio Jack for Line-Out
MIC-in	1 x Audio Jack for MIC-In
LAN	
ETHERNET	1 x RJ45 for Intel® I219-V GbE 1 x RJ45 for Realtek® RTL8153 GbE
USB PORT	
USB	2 x USB 3.2 Gen 2x1 (10Gbps, Formerly USB 3.1 Gen 2) 4 x USB 2.0 Internal Header for 1 x USB 3.2 Internal Header for 5 x USB 2.0 Internal USB Type A (Vertical) for 2 x USB 2.0
SERIAL PORT	
COM	1 x DB-9 for RS-232/422/485 Internal Header for 5 x RS-232
INTERNAL I/O	
GPIO	8-Bit
SMBUS	Yes
ADDITIONAL	1 x PS/2 1 x Chassis Intrusion 1 x Audio Header 1 x AT Mode Selection
STORAGE	
SATA	3 x SATA III 1 x SATA Power Connector
EXPANSION	
M.2	1 x M-key 2242/2260/2280/22110 (SATA Interface) 1 x E-Key 2230 (USB2.0) Support CNVi
PCIe	1 x PCIe Gen.5 x16 2 x PCIe Gen.3 x4
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

