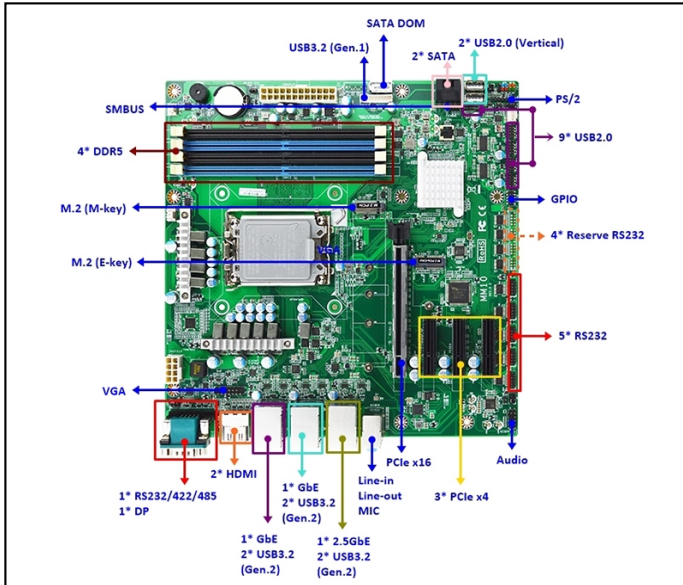


MM10-Q6700



Micro-ATX

Micro-ATX Motherboard with Intel® LGA1700 Socket Processor and Intel® Q670E Chipset.



Features

- Powered by Intel® LGA1700 Socket Processor (Formerly Alder Lake-S, Bartlett Lake-S 12P, TDP 125W)
- Robust Memory: 4 x DDR5 4800/4000MHz UDIMM, up to 192GB
- Versatile Display Options: Supports 2 x 4K HDMI, 1 x 4K DP, and 1 x VGA outputs
- Storage Expansion: 3 x SATA III (6Gb/s) with RAID 0, 1, 5, 10; 1 x M.2 M-Key (2242/2260/2280/22110)
- Additional Expansion: 1 x M.2 E-Key 2230, 1 x PCIe Gen.5 x16, 1 x PCIe Gen.4 x4, 2 x PCIe Gen.3 x4
- Dual Ethernet Ports: 1 x 2.5GbE and 2 x GbE for fast and reliable networking
- Comprehensive I/O: 6 x USB 3.2 Gen.2, 1 x USB 3.2 Gen.1, 11 x USB 2.0, 6 x COM ports
- Enhanced Security: Supports onboard TPM 2.0 (optional)

Specifications

SYSTEM	
MB FORM FACTOR	Micro-ATX
CPU	Intel® LGA1700 12/13/14th Gen Socket Processor (Formerly Alder Lake-S, TDP 125W) Intel® LGA1700 Intel® Core™ Processors (Series 2) Socket Processor (Formerly Bartlett Lake, TDP 125W)
CHIPSET	Intel® Q670E
MEMORY	4 x DDR5 4800/4000MT/s Dual Channel U-DIMM, up to 192GB
BIOS	AMI 256Mb Flash ROM
WATCHDOG TIMER	255 Levels
SECURITY	TPM2.0 (Optional)
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 4 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-LM GbE 1 x RJ45 for Realtek® RTL8153 GbE 1 x RJ45 for Intel® I226-V 2.5GbE vPro / iAMT Supported
USB PORT	
USB	6 x USB 3.2 Gen 2x1 (10Gbps, Formerly USB 3.1 Gen 2) Internal Header for 1 x USB 3.2 Internal Header for 9 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
RAID	RAID 0, 1, 5, 10
EXPANSION	
PCIe	1 x PCIe Gen 5 x16 1 x PCIe Gen 4 x4 2 x PCIe Gen 3 x4
M.2	1 x M-Key 2242/2260/2280/22110 (SATA/PCIe 4.0 x4) Support NVMe 1 x E-Key 2230 (USB 2.0/PCIe Gen 4 x1) Support CNVio
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

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Dimension Unit: mm

