



MM10-Q6700 – Intel® 12th/13th Generation Micro-ATX Motherboard with 2.5GbE LAN

The MM10-6700 is a Micro-ATX Motherboard supporting Intel's® 12th/13th generation Core i9/i7/i5/i3, Pentium and Celeron processors. This board has a rich I/O, including three SATAIII, multiple M.2 (including NVMe), eighteen USB, six COM and expansion via three PCIe slots. Featuring four UDIMM DDR5 memory, two GbE LAN and one 2500 Base-TX Ethernet for network transmission, this board is perfect for Industrial applications, digital security and surveillance applications.

SPECIFICATIONS

CPU	Intel® 12th/13th LGA1700 Socket Core i9/i7/i5/i3/Pentium/Celeron Processor (Max. 125W TDP, 240A), CPU performance may be limited due to power phase design.
Chipset	Q670E Express
Memory Type	DDR5 4800MHz SDRAM UDIMM (non-ECC)
Memory Slots	4
Maximum Memory Supported	128GB
Audio	Realtek ALC888S HD Audio
Integrated Graphics	Intel® HD Graphics
Watchdog Timer	From Super I/O to drag RESETCON#; 256 segments (10sec ~ 255min)
Serial ATA (SATA)	3 x SATAIII
Video	1 x DP 1.4a (Max Resolution:4096×2304@60Hz); 2 x HDMI 2.0b (Max Resolution:4096×2160@60Hz); 1 x VGA (Max Resolution:1920×1080@60Hz)
LAN Ports	1 x Intel® i219-LM Gigabit LAN, 1 x Realtek® RTL8153 Gigabit LAN, 1 x Intel® i225-V 2.5 Gigabit LAN
TPM	Yes (MM10-Q6702 only)
Extended Interface	1 x M.2 2230 E-Key (USB2.0/PCIe Gen.4 ×1 interface) supports CNVi, 1 x M.2 2230 E-Key (USB2.0/PCIe Gen.3 ×1 interface), 1 x M.2 2242/2260/2280/22110 M-Key (SATA/PCIe Gen.4 ×4 interface),, 1 x PCIe Gen.5 ×16 slot, 1 x PCIe Gen.4 ×4 slot, 2 x PCIe Gen.3 ×4 slot 1 x USB 3.2 (Gen.1), 9x USB 2.0m 2 x USB 2.0 type A vertical connector, 3 x

Internal I/O	SATAIII, 5 x COM (RS232), 1 x VGA, 1 x PS/2, 1 x GPIO (8-bit), 1 x Chassis intrusion, 1 x Audio, 1 x SMBUS, 1 x AT mode
External I/O	2 x HDMI, 1 x DP, 3 x RJ45 Ethernet, 6 x USB 3.2 (Gen. 2), 1 x COM (RS232/422/485), Line-in, Line-out, MIC
Power Requirement	ATX PWR (8 + 24 pin)
Dimensions	244mm x 244mm
Operating Temperature	-10 ~ 50° C
Storage Temperature	-20 ~ 85° C
Relative Humidity	10% ~ 90% RH @40°C (non-condensing)
OS Software Supported	Windows 10, Windows 11, Linux
Global P/N / SKU	2809158

Ordering Options

2809158A - MM10-Q6700 without TPM 2809158B- MM10-Q6702 with TPM 2.0

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