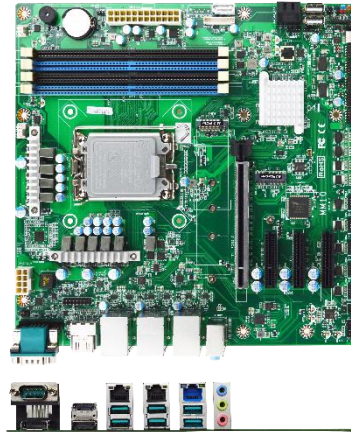


MM10-Q6700 Series

Intel Q670E chipset supports LGA 1700 socket for the Intel® 14th/13th/12th Gen (Raptor Lake-S/Alder Lake-S) i9/i7/i5/i3 processor with DDR5-5600MHz/4800MHz up to 128GB memory, Support Max. 125W TDPs under 240A

Features

1. Intel® 14th/13th/12th LGA1700 Socket Processor
(Max. 125W TDPs under 240A)
2. 4* DDR5 5600MHz/4800MHz UDIMM up to 128GB
3. 2* 10/100/1000 Base-TX & 1* 10/100/1000/2500 Base-TX Ethernet Port
4. 2* HDMI, 1* DP, 1* VGA
5. 6* COM (COM1 support RS232/422/485), 6* USB3.2 Gen.2, 1* USB3.2 Gen.1, 11* USB2.0
6. 1* PCIe Gen.5x16 slot, 3* PCIe4 slots (2 x Gen.3, 1 x Gen.4), 1*M.2 M-Key 2242/2260/2280/22110 (SATA/PCIex4 interface) support NVMe, 1* M.2 E-Key (2230, USB2.0/PCIex1 interface) support CNVio
7. 3* SATAIII (6Gb/s) support RAID 0, 1, 5, 10 (Support RAID 10 by using additional M.2 M-Key with SATA interface; SATA2 support SATA DOM)
8. Support onboard TPM 2.0 (MM10-Q6702 only)



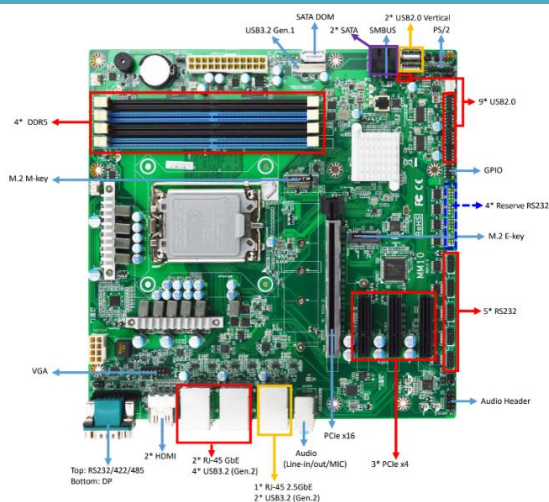
Overview

The JETWAY MM10-Q6700 Series is Micro-ATX form factor board adopts the Intel® 14th/13th/12th generation Core i9/i7/i5/i3, Pentium & Celeron Processor. The board supports four UDIMM DDR5 5600MHz/4800MHz memory, up to 128GB. Featuring the integrated Intel® & Realtek Ethernet controller, the MM10-Q6700 Series offers two 10/100/1000 & one 10/100/1000/2500 Base-TX Ethernet devices for network transmission. Three SATAIII (6Gb/s) interface and one M.2 M-key 2242/2260/2280/22110 (SATA/PCIex4 interface) support NVMe offer storage devices. One M.2 E-key 2230 (USB2.0/PCIex1 interface) support CNVio, six USB3.2 Gen.2 ports, one USB3.2 Gen.1 internal port, eleven USB2.0 ports and six COM ports provide versatile expansion. The one PCIe16 and three PCIe4 slots provides different type expansion choice. The MM10-Q6700 Series offers two HDMI2.0 port, one VGA port, one DP1.4 port which can support four independent displays. Because of the above features, MM10-Q6700 Series is suitable for Industrial PCs, Factory Automation, Public Sector, Digital Security and Surveillance applications.

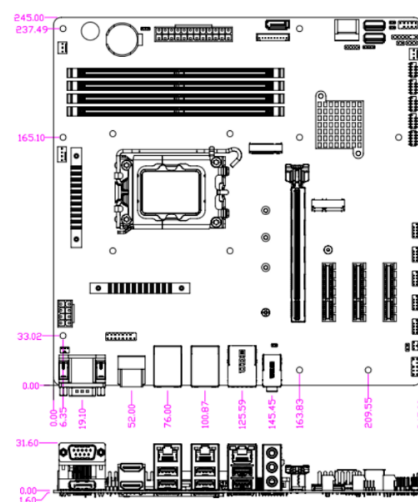
Application

Industrial PCs/ Factory Automation/ Public Sector/ Digital Security/ Surveillance application

I/O Diagram



Mechanical Drawings (Unit=mm)



Specifications

Model <ul style="list-style-type: none">MM10-Q6700MM10-Q6702 (onboard TPM2.0)	Form Factor <p>Micro-ATX (244 x 244mm)</p>
Processor System <ul style="list-style-type: none">Intel® 14th/13th/12th (Raptor Lake-S/Alder Lake-S) LGA1700 Socket Core i9/i7/i5/i3/Pentium/Celeron Processor (Max. 125W TDP, 240A) <i>*CPU performance may be limited due to power phase design.</i>Intel Q670E Express chipsetAMI 256Mb Flash ROM BIOS	Memory <ul style="list-style-type: none">Intel® 14th/13th CPU: 4* non-ECC DDR5 5600MHz SDRAM UDIMM up to 128GBIntel® 12th CPU: 4* non-ECC DDR5 4800MHz SDRAM UDIMM up to 128GB
Storage <ul style="list-style-type: none">3* SATAIII support RAID 0, 1, 5, 10 (Support RAID 10 by using additional M.2 M-Key with SATA interface; SATA2 support SATA DOM)1* M.2 M-Key 2242/2260/2280/22110 (SATA/PCIe Gen.4x4 interface) support NVMe	Expansion <ul style="list-style-type: none">1* M.2 E-Key 2230 (USB2.0/PCIe Gen.4x1 interface) support CNVio1* PCIe Gen.5x16 slot1* PCIe Gen.4x4 slot2* PCIe Gen.3x4 slot
Ethernet <ul style="list-style-type: none">1* Intel i219-LM GbE1* Realtek RTL8153 GbE1* Intel i225-V 2.5GbE	Graphics <ul style="list-style-type: none">Intel® UHD Graphics, shared memory1* DP 1.4a (Max Resolution: 4096x2304@60Hz)2* HDMI 2.0b (Max Resolution: 4096x2160@60Hz)1* VGA (Max Resolution: 1920x1080@60Hz)Support Quad Displays
Audio <p>HD audio: Realtek ALC888S</p>	Watchdog Timer <ul style="list-style-type: none">From Super I/O to drag RESETCON#256 segments (10sec ~ 255min)
Internal I/O <ul style="list-style-type: none">1* USB 3.2 (Gen.1)9* USB 2.02* USB 2.0 type A vertical connector3* SATAIII5* COM (RS232)1* VGA1* M.2 M-key 2242/2260/2280/22110 (SATA/PCIe Gen.4x4 interface)1* M.2 E-key 2230 (USB2.0/PCIe Gen.4x1 interface)1* PS/21* GPIO (8 bit)1* Chassis intrusion1* Audio Header1* SMBUS1* AT modeSupport onboard TPM2.0 (MM10-Q6702 only)	Rear I/O <ul style="list-style-type: none">2* HDMI1* DP3* RJ45 Ethernet6* USB 3.2 (Gen. 2)1* COM (RS232/422/485)Line-in, Line-out, MIC
Power <p>ATX PWR (8+24 pin), AT/ATX Supported</p> <p>- AT: Directly PWR on as Power input ready</p> <p>- ATX: Press Button to PWR on after Power input ready</p>	Compliance <p>CE, FCC, LVD, RoHS, REACH</p>
Temperature <ul style="list-style-type: none">Operating Temperature: 0 ~ 60° CStorage Temperature: -20 ~ 85° CHumidity: 10% ~ 90% RH @40°C (non-condensing)	OS Support <p>Windows 10, Windows 11, Linux</p>
Warranty <p>2 Years limited warranty</p> <p><i>* Specifications subject to change without notice, not responsible for typographical errors. Does not include HDD or OS.</i></p>	

Accessories

Part Number	Description
	MM10-Q6700 Series M/B
F04-MB-090-F	MM10 I/O shield
G01-SATA3-BL-1F	2* SATA Cable
G01-COM-H2M22-1F	3* COM Cable