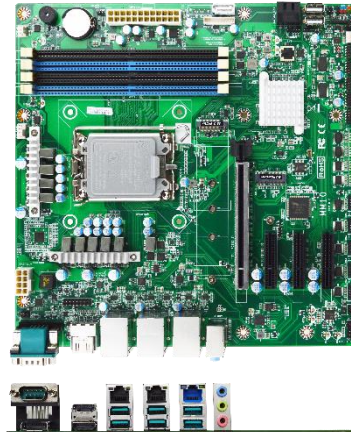


# MM10-Q6700 Series

Intel Q670E chipset supports LGA 1700 socket for the 12<sup>th</sup>/13<sup>th</sup> Gen i9/i7/i5/i3 processor with DDR5-4800MHz up to 128GB memory, Max. 65W (240A) TDPs

## Features

1. Intel® 12<sup>th</sup>/13<sup>th</sup> LGA1700 Socket Processor (Max. 65W TDP)
2. 4\* DDR5 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 (1 x Gen.3, 2 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)



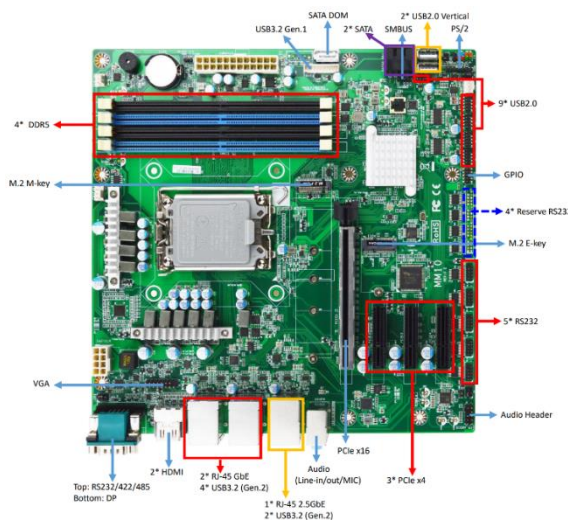
## Overview

The JETWAY MM10-Q6700 Series is Micro-ATX form factor board adopts the Intel® 12<sup>th</sup>/13<sup>th</sup> generation Core i9/i7/i5/i3, Pentium & Celeron Processor. The board supports four UDIMM DDR5 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.

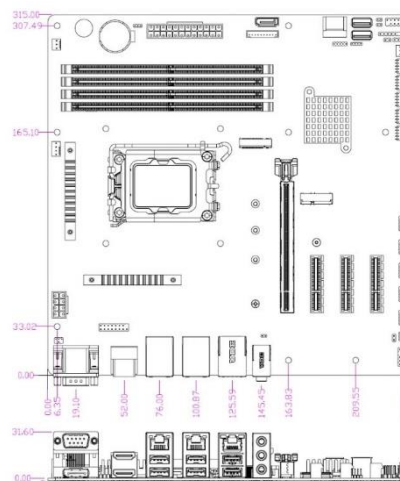
## Application

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

## I/O Diagram



## Mechanical Drawings (Unit=mm)



## Specifications

### Model

- MM10-Q6700
- MM10-Q6702 (onboard TPM2.0)

### Processor System

- Intel® 12<sup>th</sup>/13<sup>th</sup> LGA1700 Socket Core i9/i7/i5/i3/Pentium/Celeron Processor (Max. 65W TDP, 240A)
- Intel Q670E Express chipset
- AMI 256Mb Flash ROM BIOS

### Storage

- 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

### Ethernet

- 1\* Intel i219-LM GbE
- 1\* Realtek RTL8153 GbE
- 1\* Intel i225-V 2.5GbE

### Audio

HD audio: Realtek ALC888S

### Internal I/O

- 1\* USB 3.2 (Gen.1)
- 9\* USB 2.0
- 2\* USB 2.0 type A vertical connector
- 3\* SATAIII
- 5\* COM (RS232)
- 1\* VGA
- 1\* M.2 M-key 2242/2260/2280/22110 (SATA/PCIe Gen.4x4 interface)
- 1\* M.2 E-key 2230 (USB2.0/PCIe Gen.3x1 interface)
- 1\* PS/2
- 1\* GPIO (8 bit)
- 1\* Chassis intrusion
- 1\* Audio Header
- 1\* SMBUS
- 1\* AT mode
- Support onboard TPM2.0 (MM10-Q6702 only)

### Power

ATX PWR (8+24 pin), AT/ATX Supported

- AT: Directly PWR on as Power input ready

- ATX: Press Button to PWR on after Power input ready

### Temperature

- Operating Temperature: -10 ~ 50° C
- Storage Temperature: -20 ~ 85° C
- Humidity: 10% ~ 90% RH @40°C (non-condensing)

### Warranty

2 Years limited warranty

\* Specifications subject to change without notice, not responsible for typographical errors. Does not include HDD or OS.

### Form Factor

Micro-ATX (244 x 244mm)

### Memory

4\* non-ECC DDR5 4800MHz SDRAM UDIMM up to 128GB

### Expansion

- 1\* M.2 E-Key 2230 (USB2.0/PCIe Gen.4x1 interface) support CNVi
- 1\* PCIe Gen.5x16 slot
- 1\* PCIe Gen.4x4 slot
- 2\* PCIe Gen.3x4 slot

### Graphics

- Intel® HD Graphics, shared memory
- 1\* DP 1.4a (Max Resolution: 4096x2304@60Hz)
- 2\* HDMI 2.0b (Max Resolution: 4096x2160@60Hz)
- 1\* VGA (Max Resolution: 1920x1200@60Hz)
- Support Quad Displays

### Watchdog Timer

- From Super I/O to drag RESETCON#
- 256 segments (10sec ~ 255min)

### Rear I/O

- 2\* HDMI
- 1\* DP
- 3\* RJ45 Ethernet
- 6\* USB 3.2 (Gen. 2)
- 1\* COM (RS232/422/485)
- Line-in, Line-out, MIC

### Compliance

CE, FCC, LVD, RoHS, REACH

### OS Support

Windows 10, Windows 11, Linux

## Accessories

Part Number	Description
	MM10-Q6700 Series M/B
F04-MB-090-F	MM10 I/O shield
G01-SATA3-BL-1F	SATA Cable
G01-COM9-30A-1F	COM Cable