

MI08

10th Gen. Intel® Core™ i7/ i5 /i3, Celeron & Pentium® LGA1200 Socket Processor, Max. 65W TDPs

1. Intel® 10th LGA1200 Socket Comet Lake-S Processor (Max. 65W TDP)
2. 2* DDR4 2666/2400MHz SO-DIMM up to 64GB
3. 1* Intel i210AT GbE, 1* Intel i219V GbE
4. 1* HDMI, 1* DP, 1* eDP
5. 6* COM (COM1 support RS232/422/485), 3* USB3.2 Gen.1, 5* USB2.0
6. 1* PCIe x16 slot, 1* M.2 M-key 2242/2280 (SATA/PCIe x2) support NVMe, 1* M.2 E-key 2230 (PCIe x1/USB2.0), 1* M.2 B-key 3042/3052 (USB3.0/PCIe x1) W/SIM card slot
7. 2* SATAIII (6Gb/s)
8. Support onboard TPM 2.0 (MI08-02 only)



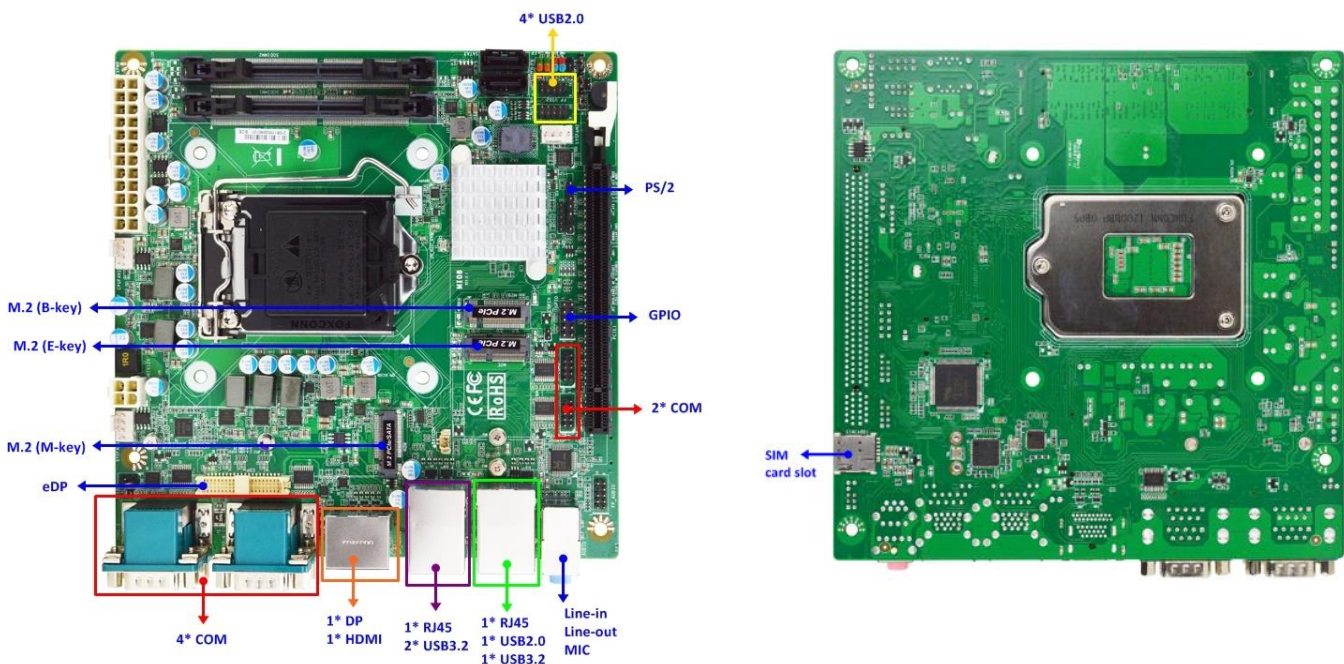
Overview

The JETWAY MI08-00/MI08-02 is Mini-ITX form factor board adopts the Intel® 10th generation Core i7/i5/i3, Pentium and Celeron Processor. The board supports two SO-DIMM DDR4 2666MHz memory, up to 64GB. Featuring the integrated Intel® i219V GbE & i210AT GbE controller, the MI08-00/MI08-02 offers two Ethernet devices for network transmission. Two SATAIII (6Gb/s) interface and one M.2 M-key 2242/2280 (SATA/PCIex2) support NVMe offer storage devices. One M.2 E-key 2230 (PCIex1/USB2.0), one M.2 B-key 3042/3052 (USB3.0/PCIe x1) W/SIM card slot, three USB3.2 Gen.1 ports, five USB2.0 ports and six COM ports provide versatile expansion. The PCIex16 slot can support Jetway riser card for different expansion. The MI08-00/MI08-02 offers one HDMI1.4 port, one DP1.2 port and one eDP port which can support 2 independent displays. Because of the above features, MI08-00/MI08-02 is suitable for Edge Computing, Digital Signage, Industrial PCs, Factory Automation, Public Sector, Digital Security and Surveillance applications.

Application

Edge Computing / Digital Signage / Industrial PCs / Factory Automation / Public Sector / Digital Security / Surveillance

I/O Diagram



Specifications

Model

- MI08-00 (Default)
- MI08-02 (W/TPM2.0)

Processor System

- Intel® 10th LGA 1200 Socket Core i7/i5/i3/Pentium/Celeron Comet Lake-S Processor (Max. 65W TDP)
- Intel H410 Express chipset
- AMI 128Mb Flash ROM BIOS

Memory

2* Dual CH non-ECC DDR4 2666/2400MHz SDRAM SO-DIMM up to 64GB

Ethernet

- 1 * Intel i219V GbE
- 1 * Intel i210AT GbE

Storage

- 2* SATAIII
- 1* M-key 2242/2280 (SATA/PCIex2) support NVMe

Internal Connector

- 4* USB 2.0
- 1* eDP
- 2* SATAIII
- 2* COM
- 1* M.2 M-key 2242/2280 (SATA/PCIex2) support NVMe
- 1* M.2 E-key 2230 (PCIex1/USB2.0)
- 1* M.2 B-key 3042/3052 (USB3.0/PCIe x1)
- 1* PS/2
- 1* GPIO (8 bit)
- 1* Chassis intrusion
- 1* Audio Header
- 1* AT mode
- Support onboard TPM2.0 (MI08-02)

Power

ATX PWR (4+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: 0°C ~ 60°C
- Storage: -20°C ~ 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

Mini-ITX (6.7-in * 6.7-in, 170 * 170mm)

Expansion Slot

- 1* E-key 2230 (PCIex1/USB2.0)
- 1* B-key 3042/3052 (USB3.0/PCIe x1) W/SIM card slot
- 1* PCIex16 slot

Graphics

- Intel® HD Graphics, shared memory
- 1* eDP (Max Resolution: 4096x2304@60Hz)
- 1* HDMI 1.4 (Max Resolution: 4096x2160@30Hz)
- 1* DP (Max Resolution: 4096x2304@60Hz)
- Support Dual Displays

Audio

6 channel HD audio: Realtek ALC888S-VD2

Rear I/O

- 1* HDMI
- 1* DP
- 2* RJ45 Ethernet
- 3* USB 3.2 (Gen. 1)
- 1* USB 2.0
- 4* COM (COM1 support RS232/422/485)
- Line-in, Line-out, MIC

Watchdog Timer

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

Compliance

CE, FCC, LVD, RoHS, REACH

OS Support

Windows 10, Linux

Standard Accessories

Parts Number	Description	Parts Number	Description
-----	MI08-00 / MI08-02 M/B		
F04-MB-052-1F	MI08 I/O shield		

Mechanical Drawings (Unit = mm)

