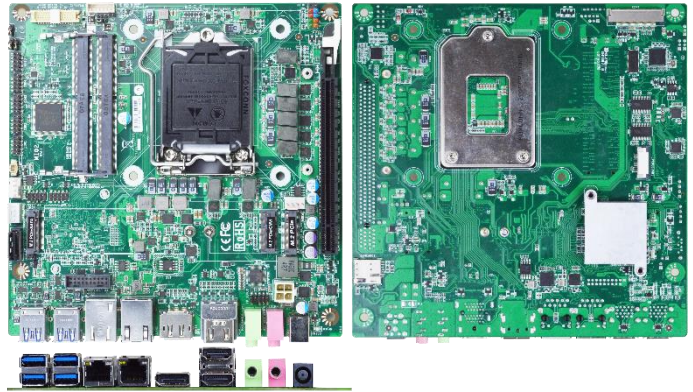




MI02-30 Series

Mini-ITX Embedded Motherboard, H470 chipset, 10/11th Generation Intel® Core™ i9 / i7/ i5 /i3, Celeron & Pentium® LGA1200 Socket Processor, Max. 65W TDPs

1. Intel® 10/11th LGA1200 Socket Comet Lake-S Processor (Max. 65W TDP)
2. 2* DDR4 2666/2400MHz SO-DIMM up to 64GB
3. 1* Intel i225LM 2.5GbE, 1* Intel i219V GbE
4. 2* HDMI, 1* DP, 1* LVDS, 1* eDP
5. 4* COM (COM1/COM2 support RS232/422/485), 4* USB3.2 Gen.2, 2* USB3.2 Gen.1, 4* USB2.0
6. 1* PCIe x16 slot, 1* M.2 M-key 2280 (SATA/PCIe x4) support NVMe, 1* M.2 E-key 2230 (PCIe x1/USB2.0) support CNVi, 1* M.2 B-key 3042/3052 (USB3.0/PCIe x1) W/SIM card slot
7. 1* SATAIII (6Gb/s) support RAID W/M.2 M-key
8. Support onboard TPM 2.0 (MI02-32 only)



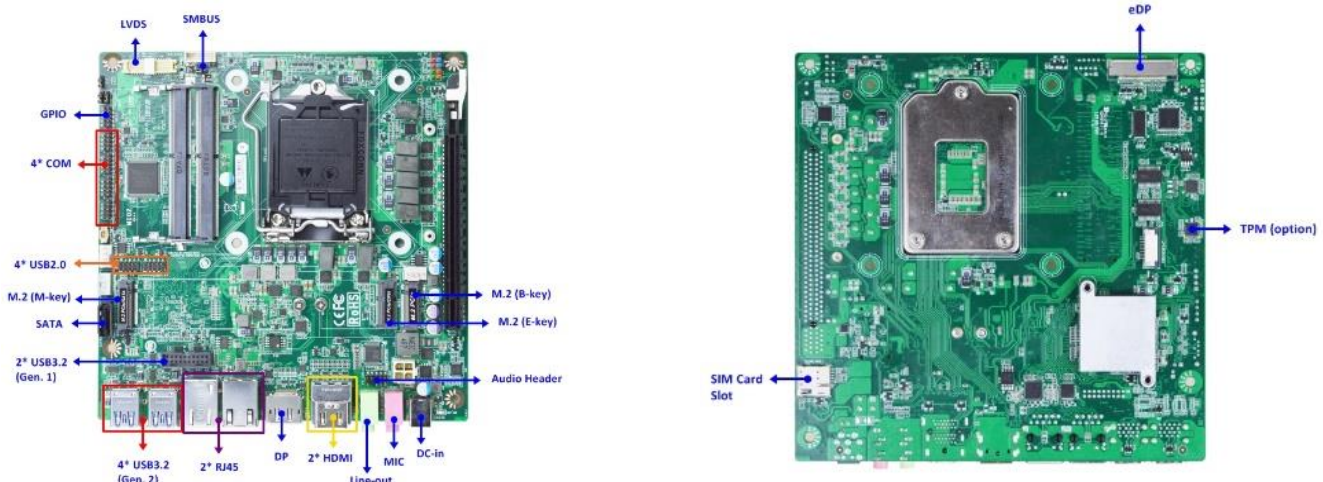
Overview

The JETWAY MI02-30/MI02-32 is Slim Mini-ITX form factor board adopts the Intel® 10/11th generation Core i9/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 & i225LM 2.5GbE controller, the MI02-30/MI02-32 offers two Ethernet devices for network transmission. One SATAIII (6Gb/s) interface and one M.2 M-key 2280 (SATA/PCIe4) support NVMe offer storage devices. One M.2 E-key 2230 (PCIe1/USB2.0) support CNVi, one M.2 B-key 3042/3052 (USB3.0/PCIe x1) W/SIM card slot, four USB3.2 Gen.2 ports, two USB3.2 Gen.1 ports, four USB2.0 ports and four COM ports provide versatile expansion. The PCIe16 slot can support Jetway riser card for different expansion. The MI02-30/MI02-32 offers two HDMI1.4 port, one DP1.4 port and one LVDS, one eDP port which can support 3 independent displays. Because of the above features, MI02-30/MI02-32 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



Mechanical Drawings (Unit = mm)

Specifications

Model

- MI02-30
- MI02-32 (W/TPM2.0)

Processor System

- Intel® 10/11th LGA 1200 Socket Core i9/i7/i5/i3/Pentium/Celeron Comet Lake-S Processor (Max. 65W TDP)
- Intel H470 Express chipset
- AMI 256Mb Flash ROM BIOS

Memory

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

Ethernet

- 1* Intel i219V GbE
- 1* Intel i225LM 2.5GbE

Storage

- 1* SATAIII support RAID W/M.2 M-key
- 1* M-key 2280 (SATA/PCIex4) support NVMe

Internal Connector

- 2* USB3.2 (Gen. 1)
- 4* USB 2.0
- 1* LVDS
- 1* eDP
- 1* SATAIII
- 4* COM (COM1/COM2 support RS232/422/485)
- 1* M.2 M-key 2280 (SATA/PCIex4) support NVMe
- 1* M.2 E-key 2230 (PCIex1/USB2.0) support CNVi
- 1* M.2 B-key 3042/3052 (USB3.0/PCIe x1)
- 1* GPIO (8 bit)
- 1* Chassis intrusion
- 1* Audio Header
- 1* SMBUS
- 1* AT mode
- Support onboard TPM2.0 (MI02-32)

Power

DC-IN 12~28V

AT/ATX mode 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

Form Factor

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

Expansion Slot

- 1* E-key 2230 (PCIex1/USB2.0) support CNVi
- 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* LVDS (Max Resolution: 1920x1200@60Hz)
- 2* HDMI 1.4 (Max Resolution: 4096x2160@30Hz)
- 1* DP (Max Resolution: 4096x2304@60Hz)
- Support Triple Displays

Audio

6 channel HD audio: Realtek ALC662

Rear I/O

- 2* HDMI
- 1* DP
- 2* RJ45 Ethernet
- 4* USB 3.2 (Gen. 2)
- Line-out, MIC
- 1* DC-in jack

Watchdog Timer

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

Compliance

CE, FCC, LVD, RoHS, REACH

OS Support

Windows 10, Linux

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

Accessories

Parts Number	Description	Parts Number	Description
-----	MI02-30 / MI02-32 M/B MI02 I/O shield		