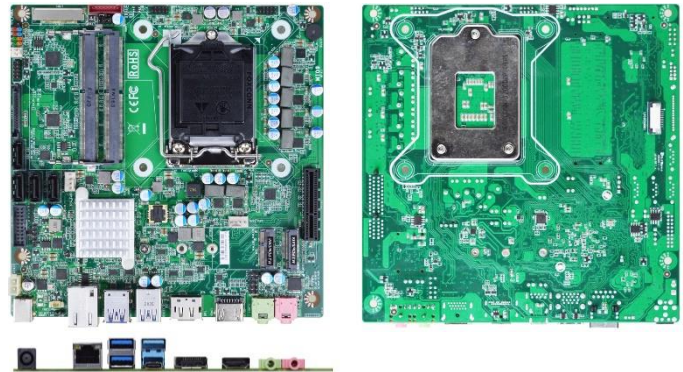


## MI09-30 & MI09-32

**Intel H470 processor, support 10/11th Generation Intel® Core™ i7/ i5 /i3, Celeron & Pentium® LGA1200 Socket Processor, Max. 65W TDPs**

1. Intel® 10/11th LGA1200 Socket Comet Lake-S & Rocket Lake-S Processor (Max. 65W TDP)
2. 2\* DDR4 2933/2666/2400MHz SO-DIMM up to 64GB
3. 1\* Intel i219V GbE
4. 1\* HDMI, 1\* DP, 1\* 24-bit Dual CH LVDS
5. 1\* COM (RS232/422/485), 3\* USB3.2 Gen.2 (Type A), 1\* USB3.2 Gen.1 (Type C), 2\* USB3.2 Gen.1, 5\* USB2.0
6. 1\* PCIe x4, 1\* M.2 M-key 2242/2260/2280 (SATA/PCIe), 1\* M.2 E-key 2230 (PCIe x1/USB2.0) support CNVi
7. 4\* SATAIII (6Gb/s)
8. Support onboard TPM 2.0 (MI09-32 only)



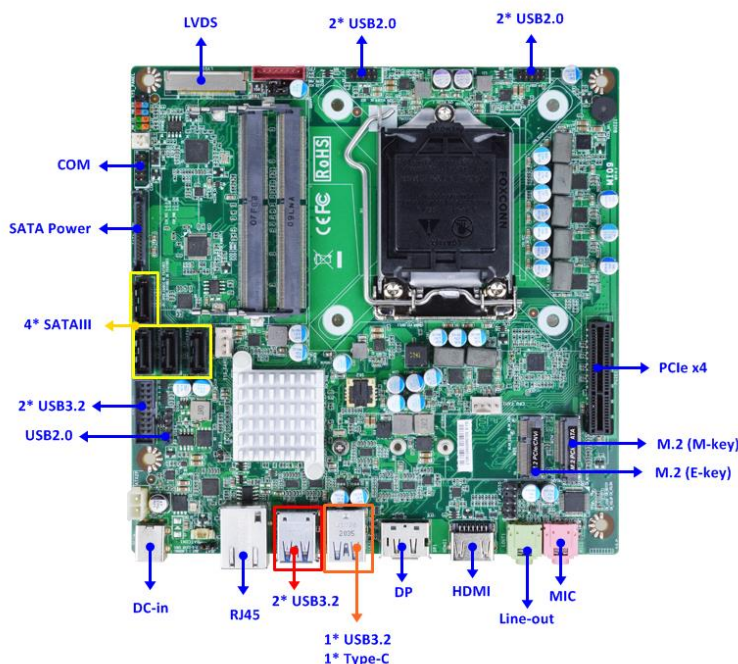
### Overview

The JETWAY MI09-30/MI09-32 is Thin 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 2933/2666MHz memory, up to 64GB. Featuring the integrated Intel® i219V GbE controller, the MI09-30/MI09-32 offers one Ethernet device for network transmission. Four SATAIII (6Gb/s) interface and one M.2 M-key 2242/2260/2280 (SATA/PCIe) offer storage devices. One M.2 E-key 2230 (PCIex1/USB2.0) support CNVi, three USB3.2 Gen.2 ports (Type A), one USB3.2 Gen.1 port (Type C), two USB3.2 Gen.1 ports, five USB2.0 ports, one PCIe x4 slot and one COM port provide versatile expansion. The MI09-30/MI09-32 offers one HDMI1.4 port, one DP1.2 port and one LVDS port which can support 2 independent displays. Because of the above features, MI09-30/MI09-32 is suitable for All-in-One PC, Digital Signage, Public Sector and Digital Security applications.

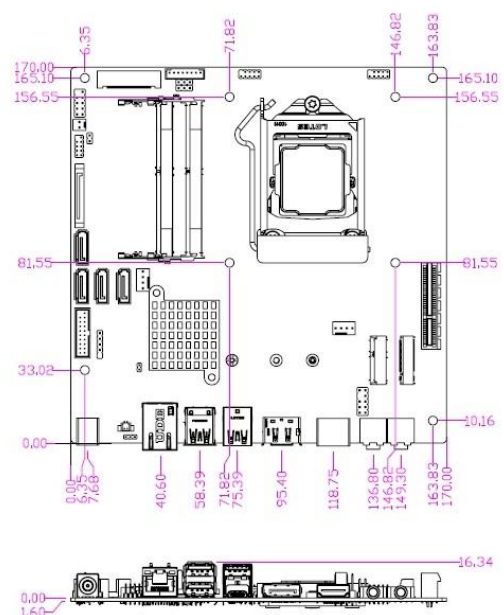
### Application

All-in-One PC / Digital Signage / Public Sector / Digital Security

### I/O Diagram



### Mechanical Drawings (Unit = mm)



## Specifications

### Model

- MI09-30
- MI09-32 (onboard TPM2.0)

### Processor System

- Intel® 10/11th LGA 1200 Socket Core i9/i7/i5/i3/Pentium/Celeron Comet Lake-S/Rocket Lake-S Processor (Max. 65W TDP)
- Intel H470 Express chipset
- AMI 128Mb Flash ROM BIOS

### Memory

2\* Dual CH non-ECC DDR4 2933/2666/2400MHz SDRAM SO-DIMM up to 64GB (depends on CPU support)

### Ethernet

1 \* Intel i219V GbE

### Storage

- 4\* SATAIII (6Gb/s) support RAID 0/1/5/10
- 1\* M-key 2242/2260/2280 (SATA/PCIe)

### Internal Connector

- 2\* USB3.2 (Gen. 1)
- 5\* USB 2.0
- 1\* LVDS
- 4\* SATAIII
- 1\* COM (RS232/422/485)
- 1\* M.2 M-key 2242/2260/2280 (SATA/PCIe)
- 1\* M.2 E-key 2230 (PCIex1/USB2.0) support CNVi
- 1\* Audio Header
- 1\* AT mode
- Support onboard TPM2.0 (MI09-32)

### Power

DC-IN 12~19V

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

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

### Form Factor

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

### Expansion Slot

- 1\* E-key 2230 (PCIex1/USB2.0) support CNVi
- 1\* PCIe x4 slot

### Graphics

- Intel® HD Graphics, shared memory
- 1\* LVDS (Max Resolution: 1920x1200@60Hz)
- 1\* HDMI 1.4 (Max Resolution: 4096x2160@30Hz)
- 1\* DP (Max Resolution: 4096x2304@60Hz)
- Support Dual Displays

### Audio

C-Media HS-100B USB Audio Chip

### Rear I/O

- 1\* HDMI
- 1\* DP
- 1\* RJ45 Ethernet
- 3\* USB 3.2 type-A (Gen. 2)
- 1\* USB 3.2 type-C (Gen. 1)
- 1\* Line-out, 1\* MIC-in
- 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

## Standard Accessories

### Parts Number

### Description

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MI09-30 / MI09-32 M/B  
F04-MB-085-F MI09 I/O shield

### Parts Number

### Description