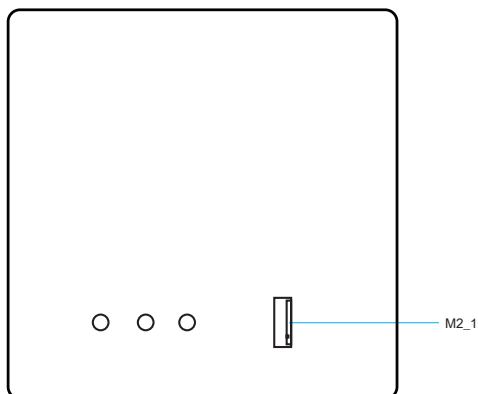
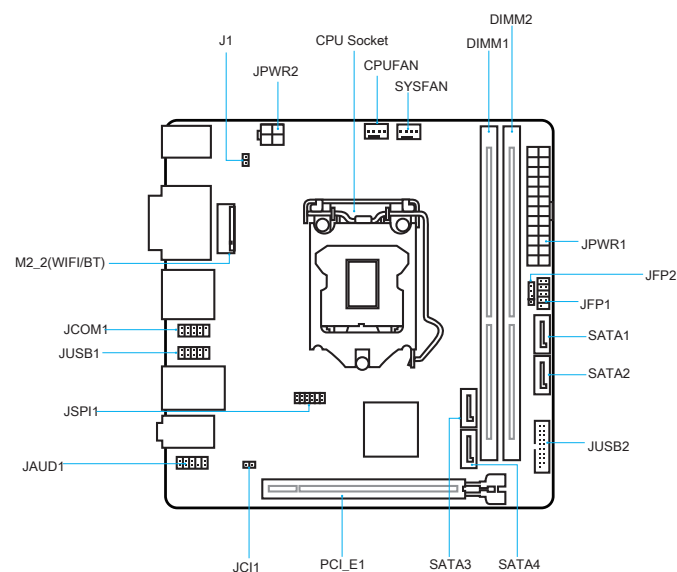


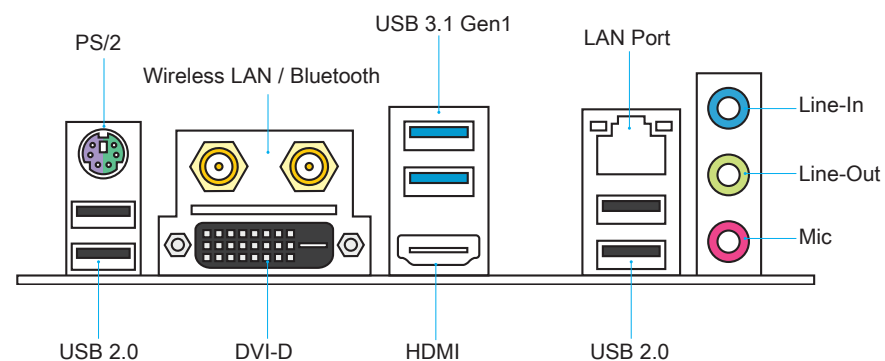
H170I PRO AC

(MS-7995v.0A)
Mini-ITX Motherboard

Motherboard Components Overview



Rear I/O Panel



Motherboard Specification

CPU Support

- Supports 6th Gen Intel® Core™ i3/i5/i7 processors, and Intel® Pentium® and Celeron® processors for Socket LGA1151

Chipset

- Intel® H170 Express Chipset

Memory Support

- 32GB
 - Supports DDR4 2133 MHz
- Dual channel memory architecture
- Supports non-ECC, un-buffered memory
- Supports Intel® Extreme Memory Profile (XMP)

Expansion Slots

- 1x PCIe 3.0 x16 slot

Onboard Graphics

- 1x HDMI™ port, support a maximum resolution of 4096x2160@24Hz, 2560x1600@60Hz

- 1x DVI-D port, supporting a maximum resolution of 1920x1200 @60Hz

Storage

- Intel® H170 Express Chipset
- 4x SATA 6Gb/s ports
- 1xM.2 port, supports PCIe 3.0x4, 4.2cm/6cm/8cm length SSD cards (only support PCIe card)

USB

- Intel® H170 Express Chipset
 - 4x USB 3.1 Gen1 (SuperSpeed USB) ports (2 ports on the back panel, 2 ports available through the internal USB connector)
 - 6xusb 2.0(4 ports back panel,2 ports internal)

Audio

- Realtek® ALC887 Codec
- 7.1-Channel High Definition Audio

Motherboard Specification

LAN

- 1x Realtek 8111H Gigabit LAN controller

Wireless LAN / Bluetooth

- Wi-Fi/Bluetooth expansion module with Intel Dual Band Wireless-AC 8260 chip

Back Panel Connectors

- 1x PS/2 keyboard/ mouse port
- 4x USB 2.0 ports
- 1x WIFI/BT
- 1x DVI-D port
- 1x HDMI™ port
- 2x USB 3.1 Gen1 (SuperSpeed USB) ports
- 1x LAN (RJ45) port
- 3x audio jacks

Internal Connectors

- 1x 24-pin ATX main power connector
- 1x 4-pin ATX 12V power connector
- 4x SATA 6Gb/s connectors
- 1x USB 2.0 connector (supports additional 2 USB 2.0 ports)
- 1x USB 3.1 Gen1 (SuperSpeed USB) connector
- 1x 4-pin CPU fan connector
- 1x 4-pin system fan connector
- 1x Front panel audio connector
- 2x Front panel connectors
- 1x Chassis Intrusion connector

I/O Controller

- NUVOTON NCT5563 Controller Chip

Hardware Monitor

- CPU/System temperature detection
- CPU/System fan speed detection
- CPU/System fan speed control

BIOS Features

- 1x 128 Mb flash
- UEFI AMI BIOS

- Multi-language
- EZ DEBUG LED

Special Features

- DDR4 Boost Support
- PCI Express 3.0 Support
- Turbo M.2 Ready
- NVMe / AHCI Driver Support

Performance gaming features

- Intel Small Business Advantage (SBA)

MSI Exclusive features

- Click BIOS 5
- Command Center
- RAM Disk
- Live Update 6
- M-Cloud
- Military class 4

Form Factor

- mini-ITX Form Factor
- 6.7 in. x 6.7 in. (17.0 cm x 17.0 cm)