B150I GAMING PRO

(MS-7995v1.2)
Mini-ITX Motherboard

Motherboard Components Overview

Rear I/O Panel

- PS/2
- USB 3.1 Gen1
- LAN Port
- Line-In
- Line-Out
- Mic
- USB 2.0
- DVI-D
- HDMI
- USB 2.0
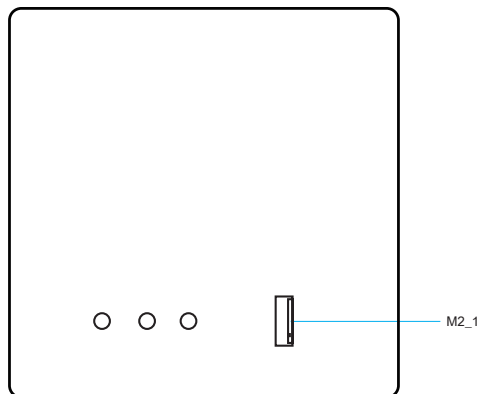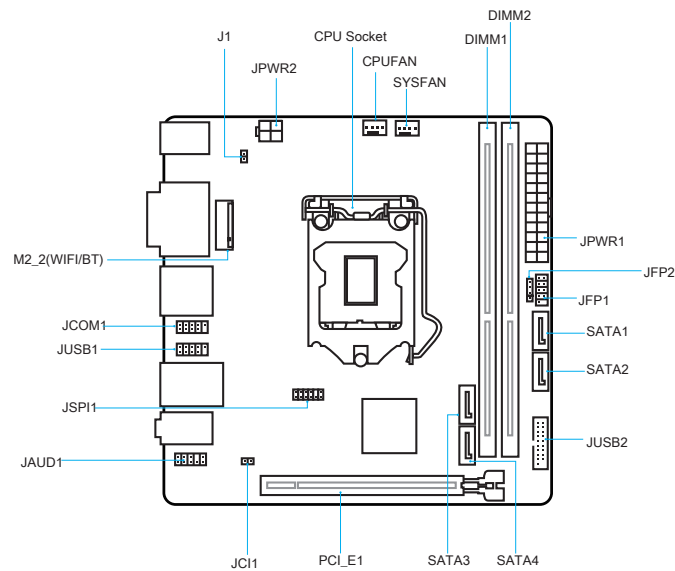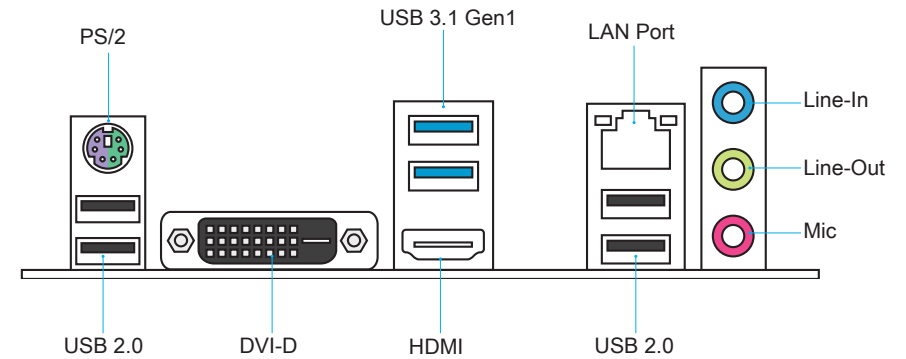
Motherboard Specification

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

Chipset
- Intel® B150 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® B150 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® B150 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

Back Panel Connectors
- 1x PS/2 keyboard/ mouse port
- 4x USB 2.0 ports
- 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
- Audio Boost
- GAMING LAN
- GAMING APP
- 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)