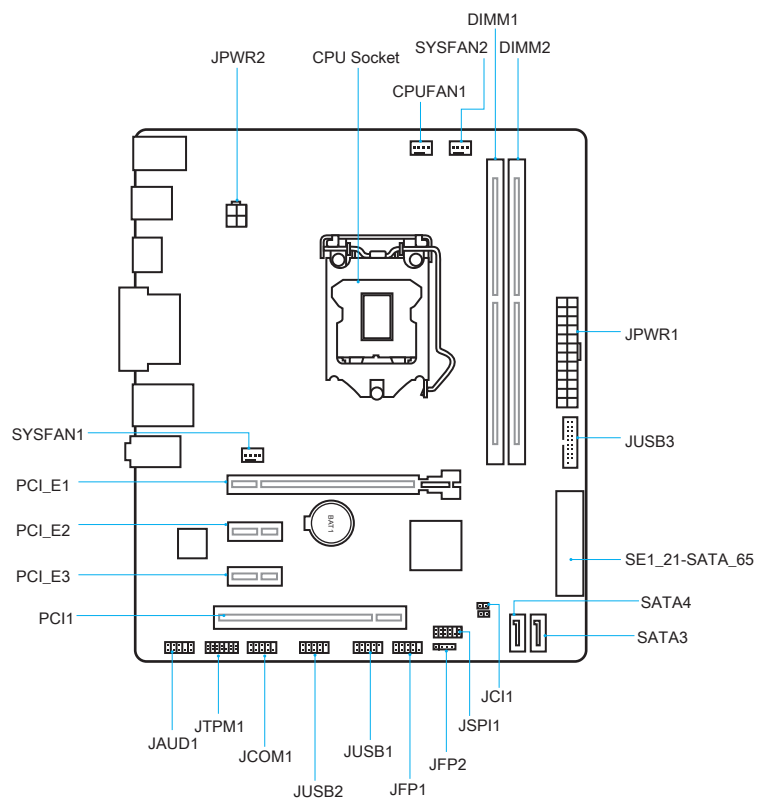


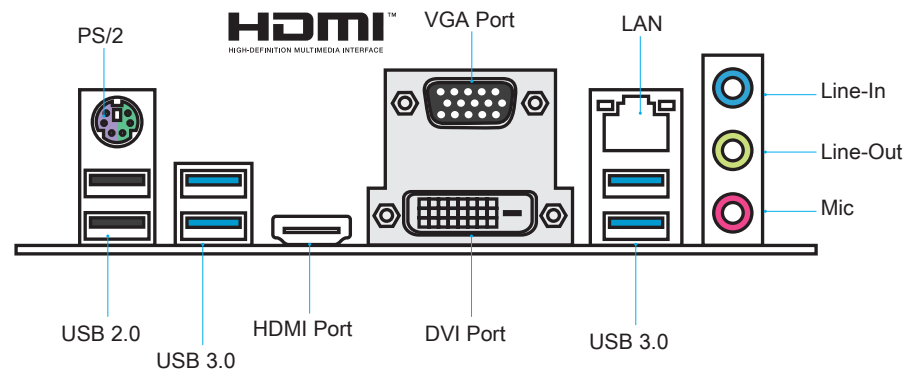
B150M ECO

(MS-7994v1.0)
ATX 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® B150 Express Chipset

Memory Support

- 2x DDR4 memory slots supporting up to 32GB
- Supports non-ECC, un-buffered memory

Expansion Slots

- 1x PCIe 3.0 x16 slot
- 2x PCIe 3.0 x1 slots
- 1x PCI slot

Onboard Graphics

- 1x HDMI, supporting a maximum resolution of 4096x2160@24Hz, 2560x1600@60Hz
- 1x DVI+1x D-SUB

Storage

- Intel® B150 Express Chipset
- 6x SATA 6Gb/s ports
- 1x SATA Express (PCIe 3.0x2)

USB

- Intel® B150 Express Chipset
- ▶ 6x USB 3.0 ports (4 ports on the back panel, 2 ports available through the internal)
- ▶ 6x USB 2.0 ports (2 ports on the back panel, 4 ports available through the internal USB connectors)

Audio

- Realtek® ALC887
- 7.1-Channel High Definition Audio

LAN

- 1x Intel I219-V Gigabit LAN controller

Back Panel Connectors

- 1x PS/2 keyboard / mouse port

Motherboard Specification

- 2x USB 2.0 ports
- 4x USB 3.0 ports
- 1x HDMI
- 1x DVI
- 1x D-SUB
- 1x LAN (RJ45)
- 3x Audio Jacks

Internal Connectors

- 1x 24-pin ATX main power connector
- 1x 4-pin ATX 12V power connector
- 6x SATA 6Gb/s connectors + 1x SATA Express
- 2x USB 2.0 connectors (supports additional 4 USB 2.0 ports)
- 1x USB 3.0 connectors (supports additional 2 USB 3.0 ports)
- 1x 4-pin CPU fan connectors
- 2x 4-pin system fan connectors
- 1x Clear CMOS jumper
- 1x Front panel audio connector
- 2x System panel connectors
- 1x TPM module connector
- 1x Chassis Intrusion connector
- 1x Serial port connector

I/O Controller

- NUVOTON NCT6793 Controller Chip

Hardware Monitor

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

BIOS Features

- 1x 64 Mb flash
- UEFI AMI BIOS
- ACPI 5.0, PnP 1.0a, SM BIOS 2.7, DMI 2.0
- Multi-language

Special Features

- ECO Genie

- DDR4 Boost Support
- PCI Express 3.0 Support
- SATA Express Support
- EZ Debug LED
- USB Safe Guard
- Smart Fan Control
- Super Charger
- Cut Power
- Audio Line

MSI Exclusive features

- ECO Center Pro
- Live Update 6
- Fast boot
- Super Charger
- M Cloud
- ECO Meter
- RAMDisk

Form Factor

- mATX Form Factor
- 24.3 cm x 20.6 cm