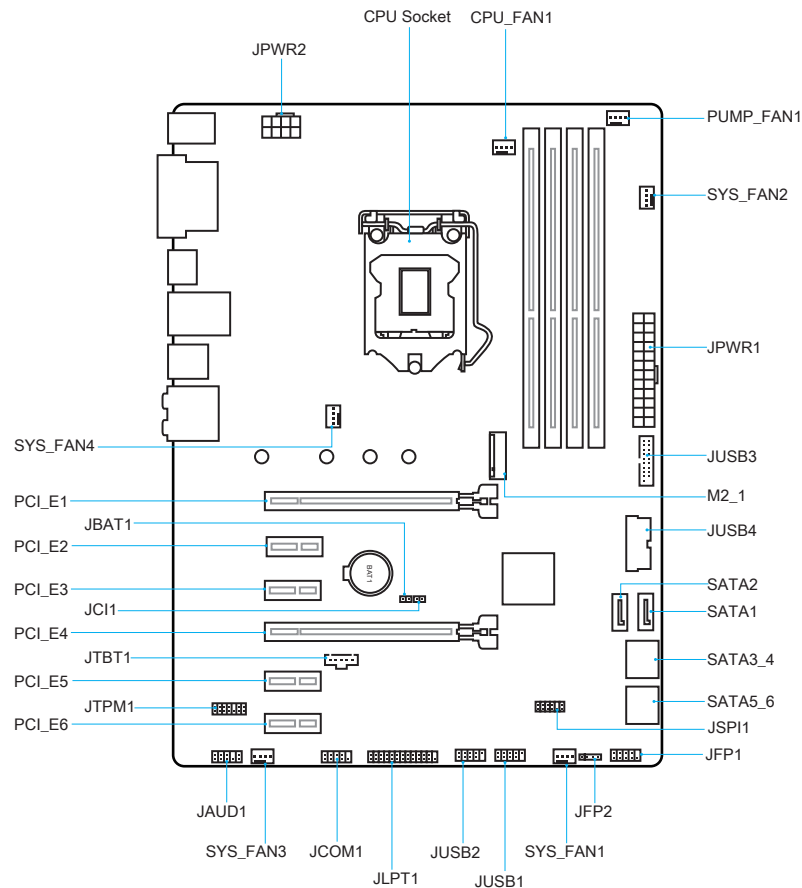


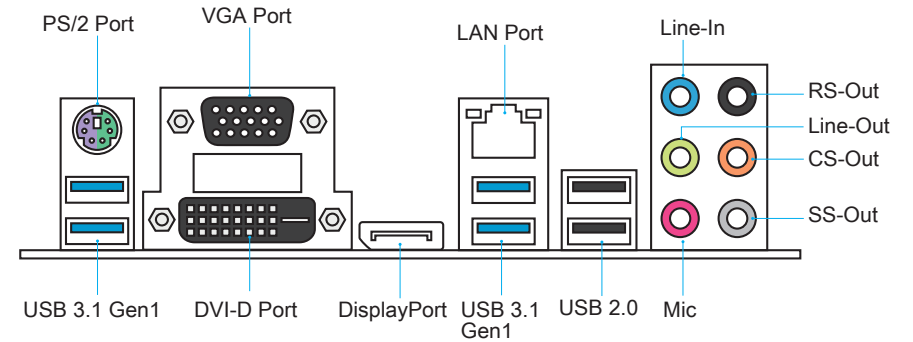
# Z270-A PRO

(MS-7A71v1.2)  
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® Z270 Express Chipset

### Memory Support

- 64GB Supports DDR4 3800(OC)/3600(OC)/3200(OC)/3000(OC)/2800(OC)/2600(OC)/2400(OC)/2133 MHz
- Dual channel memory architecture
- Supports ECC, un-buffered memory
- Supports Intel® Extreme Memory Profile

### Expansion Slots

- 2x PCIe 3.0 x16 slots (support x16/ x4 modes)
- 4x PCIe 3.0 x1 slots

### Onboard Graphics

- 1x DisplayPort
- 1x DVI-D
- 1x VGA

### Multi-GPU Support

- Supports 2-Way AMD® CrossFire™ Technology

### Storage

- Intel® Z270 Express Chipset
- 6x SATA 6Gb/s ports
- 1x M.2 port (PCIe 3.0 x4 / SATA 6Gb/s)
- M.2 port supports 4.2cm/ 6cm/ 8cm/ 11cm length module
- Supports RAID 0, RAID1, RAID 5 and RAID 10
- Supports Intel Smart Response Technology, Intel® Rapid Start Technology and Intel Smart Connect Technology

# Motherboard Specification

## USB

- Intel® Z270 Express Chipset
  - ▶ 8x USB 3.1 Gen 1 ports (4 ports on the back panel, 4 ports available through the internal USB connectors)
  - ▶ 6x USB 2.0 ports (2 ports on the back panel, 4 ports available through the internal USB connectors)

## Audio

- Realtek® ALC892
- 7.1-Channel High Definition Audio

## LAN

- 1x Realtek® RTL8111H Gigabit LAN controller

## Back Panel Connectors

- 1x PS/2 keyboard/ mouse port
- 4x USB 3.1 Gen1 ports
- 2x USB 2.0 ports
- 1x DisplayPort
- 1x DVI-D
- 1x VGA
- 1x LAN (RJ45) port
- 6x audio jacks

## Internal Connectors

- 1x 24-pin ATX main power connector
- 1x 8-pin ATX 12V power connector
- 6x SATA 6Gb/s connectors
- 2x USB 2.0 connectors (supports additional 4 USB 2.0 ports)
- 2x USB 3.1 gen1 connectors (supports additional 4 USB 3.1 gen1 ports)
- 2x 4-pin CPU fan connectors
- 4x 4-pin system fan connectors
- 1x Clear CMOS jumper
- 1x Front panel audio connector
- 2x System panel connectors
- 1x TPM module connector
- 1x JTBT pinheader

- 1x printer port connector
- 1x Serial port connector

## I/O Controller

- NUVOTON NCT6795 controller chip

## Hardware Monitor

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

## BIOS Features

- 1x 128 Mb flash
- ACPI 5.0, PnP 1.0a, SM BIOS 2.8
- Multi-language

## Special Features

- DDR4 BOOST Support
- PCI Express 3.0 Support
- M.2 Ready

## Software

- Command Center
- RAMDisk
- Live Update 6
- Fast Boot
- Super Charger
- Intel Extreme Tuning Utility
- Norton Internet Security Solution
- Google Chrome
- Google Toolbar
- Google Drive
- Mystic Light
- M-Cloud
- X-boost
- MSI CPU-Z
- Smart tool

## Form Factor

- ATX Form Factor
- 305 x 225 mm