

Note: The specifications are sub

CPU

Chipset

Memory

Graphics

Expansion Slots

Storage

Ethernet

USB

Audio

Back Panel I/O Ports

Internal I/O Connectors

Special Features

Software Features

BIOS

Manageability

Accessories

Operating System

Form Factor

PRIME B550M-K_One Page Spec

subject to change without notice.

AMD Socket AM4 for 3rd Gen AMD Ryzen™ Processors*

*Refer to www.asus.com for CPU support list.

AMD B550 Chipset

3rd Gen AMD Ryzen™ Processors

4 x DIMM, Max. 128GB, DDR4

Dual Channel Memory Architecture

*ECC memory(ECC mode) support varies by CPU.

*Refer to www.asus.com for the Memory QVL (Qualified Vendors Lists).

1 x D-Sub

1 x DVI-D

1 x HDMI™ 2.1(4K@60HZ)

3rd Gen AMD Ryzen™ Processors

1 x PCIe 4.0 x16 slot (supports x16 mode)

AMD B550 Chipset

2 x PCIe 3.0 x1 slots

Total supports 2 x M.2 slots and 4 x SATA 6Gb/s ports

3rd Gen AMD Ryzen™ Processors

M.2_1 slot (Key M), type 2242/2260/2280/22110 (supports PCIe 4.0 x4 & SATA modes)

AMD B550 Chipset

M.2_2 slot (Key M), type 2242/2260/2280/2280 (supports PCIe 3.0 x4 & SATA modes)

4 x SATA 6Gb/s ports

Support RAID 0, 1, 10

1 x Realtek RTL8111H 1Gb Ethernet

Rear USB (Total 6 ports)

2 x USB 3.2 Gen 2 ports (2 x Type-A)

4 x USB 3.2 Gen 1 ports (4 x Type-A)

Front USB (Total 6 ports)

1 x USB 3.2 Gen 1 header supports additional 2 USB 3.2 Gen 1 ports

2 x USB 2.0 headers support additional 4 USB 2.0 ports

Realtek ALC887 7.1-Channel High Definition Audio CODEC*

- Jack-detection, Multi-streaming, Front Panel Jack-retasking

- Supports up to 24-Bit/192 kHz playback

Audio Features

- Audio Shielding

- LED-illuminated audio trace path design

- Premium Japanese audio capacitors

- Dedicated audio PCB layers

*A chassis with an HD audio module in the front panel is required to support 7.1-channel audio output.

2 x USB 3.2 Gen 2 ports (2 x Type-A)

4 x USB 3.2 Gen 1 ports (4 x Type-A)

1 x D-Sub port

1 x DVI-D port

1 x HDMI™ port

1 x Realtek RTL8111H 1Gb Ethernet port

3 x Audio jacks

1 x PS/2 Keyboard/Mouse combo port

Fan and cooling related

1 x 4-pin CPU Fan header

2 x 4-pin Chassis Fan headers

Power related

- 1 x 24-pin Main Power connector
- 1 x 8-pin +12V Power connector

Storage related

- 2 x M.2 slots (Key M)
- 4 x SATA 6Gb/s ports

USB

- 1 x USB 3.2 Gen 1 header supports additional 2 USB 3.2 Gen 1 ports
- 2 x USB 2.0 headers support additional 4 USB 2.0 ports

Miscellaneous

- 1 x Clear CMOS header
- 1 x COM Port header
- 1 x Front Panel Audio header (AAFP)
- 1 x S/PDIF Out header
- 1 x Speaker header
- 1 x SPI TPM header (14-1pin)
- 1 x 10-1 pin System Panel header

ASUS 5X PROTECTION III

- ASUS DIGI+ VRM
- ASUS LANGuard
- ASUS Overvoltage Protection
- ASUS SafeSlot Core
- ASUS Stainless-Steel Back I/O

ASUS Q-Design

- ASUS Q-DIMM
- ASUS Q-Slot

ASUS Thermal Solution

- Aluminum heatsink design

ASUS Lighting Control**ASUS Exclusive Software**

- Armoury Crate
- AI Suite 3
- Performance And Power Saving Utility
- TurboV EVO
- EPU
- Digi+ VRM
- Fan Xpert 2+
- EZ update
- ASUS CPU-Z
- AI Charger
- DAEMON Tools
- Norton Anti-virus software (Free Trial for 60 days)
- WinRAR

UEFI BIOS

- ASUS EZ DIY
- ASUS CrashFree BIOS 3
- ASUS EZ Flash 3
- ASUS UEFI BIOS EZ Mode

256 Mb Flash ROM, UEFI AMI BIOS

WOL by PME, PXE

Cables

- 2 x SATA 6Gb/s cables

Miscellaneous

1 x I/O Shield

1 x M.2 SSD screw package

Installation Media

1 x Support DVD

Documentation

1 x User manual

Windows® 10 - 64 bit

mATX Form Factor

9.6 inch x 9.6 inch (24.4 cm x 24.4 cm)