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PRIME B550M-K

CPU Build in AMD AM4 Socket 3rd Gen AMD Ryzen™ Processors *
* Refer to www.asus.com for CPU support list

Chipset AMD B550

Memory **3rd Gen AMD Ryzen™ Processors**
4 x DIMM, Max. 128GB, DDR4
4600(O.C)/4400(O.C)/4266(O.C.)/4133(O.C.)/4000(O.C.)/3866(O.C.)/3733(O.C.)/
3600(O.C.)/3466(O.C.)/3333(O.C.)/3200/3000/2800/2666/2400/2133 MHz Un-
buffered Memory *
Next Generation AMD Ryzen PRO Processors
4 x DIMM, Max. 128GB, DDR4
4800(O.C)/4600(O.C)/4466(O.C.)/4400(O.C)/4266(O.C.)/4133(O.C.)/4000(O.C.)/
3866(O.C.)/3733(O.C.)/3600(O.C.)/3466(O.C.)/3333(O.C.)/3200/3000/2800/266
6/2400/2133 MHz Un-buffered Memory *
Dual Channel Memory Architecture
ECC Memory (ECC mode) support varies by CPU.
* Refer to www.asus.com for the Memory QVL (Qualified Vendors Lists).

Graphic 1 x D-Sub
1 x DVI-D
1 x HDMI 2.1(4K@60HZ)

Expansion Slots **3rd Gen AMD Ryzen™ Processors**
1 x PCIe 4.0 x16 (x16 mode)
AMD B550 Chipset
2 x PCIe 3.0 x1

Storage **Total supports 2 x M.2 slots and 4 x SATA 6Gb/s ports**
3rd Gen AMD Ryzen™ Processors :
1 x M.2 Socket 3, with M Key, Type 2242/2260/2280/22110(PCIE 4.0 x4 and
SATA modes) storage devices support
AMD B550 Chipset :
1 x M.2 Socket 3, with M Key, Type 2242/2260/2280 (PCIE 3.0 x4 and SATA

modes) storage devices support
4 x SATA 6Gb/s port(s),
Support Raid 0, 1, 10

LAN
Realtek RTL8111H 1Gb Ethernet

Audio
Realtek ALC887 7.1 Surround Sound High Definition Audio CODEC
- Supports : Jack-detection, Multi-streaming, Front Panel Jack-retasking, up to 24-Bit/192kHz playback
Audio Feature :
- LED-illuminated design
- Audio Shielding
- Dedicated audio PCB layers
- Premium Japanese audio capacitors
* Choose the chassis with HD audio module in front panel to support 8-channel audio output.

USB Ports
Rear USB Port (Total 6)
2 x USB 3.2 Gen 2 port(s)(2 x Type-A)
4 x USB 3.2 Gen 1 port(s)(4 x Type-A)
Front USB Port (Total 6)
2 x USB 3.2 Gen 1 port(s)(2 x Type-A)
4 x USB 2.0 port(s)(4 x Type-A)

Software Features
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

ASUS Special Features
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

Back I/O Ports
1 x PS/2 keyboard/mouse combo port(s)
1 x DVI-D
1 x D-Sub
1 x HDMI
1 x LAN (RJ45) port(s)
2 x USB 3.2 Gen 2 (teal blue) (2 x Type-A)
4 x USB 3.2 Gen 1 (blue) Type-A
3 x Audio jack(s)

Internal I/O Ports
1 x CPU Fan connector(s)
2 x Chassis Fan connector(s)
1 x USB 3.2 Gen 1(up to 5Gbps) connector(s) support(s) additional 2 USB 3.2 Gen 1 port(s)
2 x USB 2.0 connector(s) support(s) additional 4 USB 2.0 port(s)
1 x M.2 Socket 3 with M key, type 2242/2260/2280/22110 storage devices support(SATA & PCIe 4.0 x4 mode)
1 x M.2 Socket 3 with M key, type 2242/2260/2280 storage devices support (SATA & PCIE 3.0 x 4 mode)
1 x SPI TPM header
4 x SATA 6Gb/s connector(s)
1 x S/PDIF out header(s)
1 x 24-pin EATX Power connector(s)
1 x 8-pin EATX 12V Power connectors
1 x Front panel audio connector(s) (AAFP)
1 x Clear CMOS jumper(s)
1 x System panel connector
1 x COM port header
1 x Speaker connector

Accessories
User's manual
I/O Shield
2 x SATA 6Gb/s cable(s)
1 x Supporting DVD
1 x M.2 SSD screw package(s)

BIOS
256 Mb Flash ROM, UEFI AMI BIOS

Manageability WOL by PXE

Operating System Windows® 10 64-bit

Form Factor mATX Form Factor
9.6 inch x 9.6 inch (24.4 cm x 24.4 cm)

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

- Products certified by the Federal Communications Commission and Industry Canada will be distributed in the United States and Canada. Please visit the ASUS USA and ASUS Canada websites for information about locally available products.
- All specifications are subject to change without notice. Please check with your supplier for exact offers. Products may not be available in all markets.
- Specifications and features vary by model, and all images are illustrative. Please refer to specification pages for full details.
- PCB color and bundled software versions are subject to change without notice.
- Brand and product names mentioned are trademarks of their respective companies.

- Specifications and features vary by model, and all images are illustrative. Please refer specification pages for full details.
- *Precise specifications and features vary by model . Please refer to the specification page
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