

TUF GAMING B550-PLUS_One Page Spec

Note: The specifications are subject to change without notice.

CPU	AMD Socket AM4 for 3 rd Gen AMD Ryzen™ Processors* *Refer to www.asus.com for CPU support list.
Chipset	AMD B550 Chipset
Memory	3rd Gen AMD Ryzen™ Processors 4 x DIMM, Max. 128GB, DDR4 4400(O.C.)/ 4000(O.C.)/3866(O.C.)/3600(O.C.)/3466(O.C.)/3200/3000/2800/2666/2400/2133 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).
Graphics	1 x DisplayPort 1.2 1 x HDMI™ 2.1(4K@60HZ) *Graphics specifications may vary between CPU types.
Expansion Slots	3rd Gen AMD Ryzen™ Processors 1 x PCIe 4.0 x16 slot (supports x16 mode) AMD B550 Chipset 1 x PCIe 3.0 x16 slot (supports x4 mode)** 3 x PCIe 3.0 x1 slot* *PCIe 3.0 X16_2 runs x1 mode when any of the PCIe 3.0 x1 slots is occupied. **Support PCIe bifurcation for RAID on CPU function.
Multi-GPU Support	Supports AMD 2-Way CrossFireX™ Technology
Storage	Total supports 2 x M.2 slots and 6 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 2242/2260/2280/22110 (supports PCIe 3.0 x4 & SATA modes)* 6 x SATA 6Gb/s ports Support Raid 0, 1, 10 *M2_2 shares bandwidth with SATA6G_56. When M.2_2 is populated, SATA6G_56 will be disabled.
Ethernet	1 x Realtek RTL8125B 2.5Gb Ethernet
Wireless & Bluetooth	M.2 slot (Key E) (Wi-Fi module is sold separately)
USB	Rear USB (Total 8 ports) 2 x USB 3.2 Gen 2 ports (1 x Type-A + 1 x USB Type-C®) 4 x USB 3.2 Gen 1 ports (4 x Type-A) 2 x USB 2.0 ports (2 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
Audio	Realtek ALC S1200A 7.1-Channel High Definition Audio CODEC* - Supports : Jack detection, Multi-streaming, Front Panel Jack-retasking - Supports up to 24-Bit/192 kHz playback Audio Features - Audio Shielding - Rear optical S/PDIF out port - Premium Japanese audio capacitors

	<ul style="list-style-type: none"> - Dedicated audio PCB layers - Audio cover - Unique de-pop circuit
Back Panel I/O Ports	<ul style="list-style-type: none"> 2 x USB 3.2 Gen 2 ports (1 x Type-A + 1 x USB Type-C[®]) 4 x USB 3.2 Gen 1 ports (4 x Type-A) 2 x USB 2.0 ports (2 x Type-A) 1 x DisplayPort 1 x HDMI™ port 1 x Realtek RTL8125B 2.5Gb Ethernet port 5 x Audio jacks 1 x Optical S/PDIF out port 1 x BIOS FlashBack™ button
Internal I/O Connectors	<p>Fan and Cooling related</p> <ul style="list-style-type: none"> 1 x 4-pin CPU Fan header(s) 1 x 4-pin CPU OPT Fan header(s) 1 x 4-pin AIO Pump header(s) 3 x 4-pin Chassis Fan header(s) <p>Power related</p> <ul style="list-style-type: none"> 1 x 24-pin Main Power connector 1 x 8-pin +12V Power connector <p>Storage related</p> <ul style="list-style-type: none"> 2 x M.2 slots (Key M) 6 x SATA 6Gb/s ports <p>USB</p> <ul style="list-style-type: none"> 1 x USB 3.2 Gen 1 header(s) support(s) additional 2 USB 3.2 Gen 1 ports 2 x USB 2.0 header(s) support(s) additional 4 USB 2.0 ports <p>Miscellaneous</p> <ul style="list-style-type: none"> 1 x AURA Addressable Gen 2 header(s) 2 x AURA RGB header(s) 1 x Clear CMOS header 1 x COM Port header 1 x Front Panel Audio header (AAFP) 1 x M.2 slot (Key E) 1 x SPI TPM header (14-1pin) 1 x 20-3 pin System Panel header 1 x Thermal Sensor header 1 x Thunderbolt header
Special Features	<p>ASUS TUF PROTECTION</p> <ul style="list-style-type: none"> - ASUS DIGI+ VRM (Digital power design with Dr. MOS) - ASUS Enhanced DRAM Overcurrent Protection - ASUS ESD Guards - TUF LANGuard - ASUS Overvoltage Protection - ASUS SafeSlot - ASUS Stainless-Steel Back I/O <p>ASUS Q-Design</p> <ul style="list-style-type: none"> - ASUS Q-DIMM - ASUS Q-LED (CPU [red], DRAM [yellow], VGA [white], Boot Device [yellow green]) - ASUS Q-Slot <p>ASUS Thermal Solution</p>

	<ul style="list-style-type: none"> - Aluminum M.2 heatsink ASUS EZ DIY - BIOS FlashBack™ button - BIOS FlashBack™ LED - Procool AURA Sync - Standard RGB header(s) - Addressable Gen 2 RGB header(s)
Software Features	<p>ASUS Exclusive Software</p> <p>Armoury Crate</p> <ul style="list-style-type: none"> - Aura Creator - Aura Sync - AI Noise Cancelling Microphone <p>AI Suite 3</p> <ul style="list-style-type: none"> - Performance And Power Saving Utility <p>TurboV EVO</p> <p>EPU</p> <p>Digi+ VRM</p> <p>Fan Xpert 4</p> <p>PC Cleaner</p> <ul style="list-style-type: none"> - EZ update - System Information <p>TUF GAMING CPU-Z</p> <p>AI Charger</p> <p>ASUS Turbo LAN</p> <p>DTS Custom for GAMING Headsets</p> <p>Norton Anti-virus software (Free Trial for 60 days)</p> <p>WinRAR</p> <p>UEFI BIOS</p> <p>ASUS EZ DIY</p> <ul style="list-style-type: none"> - ASUS CrashFree BIOS 3 - ASUS EZ Flash 3 - ASUS UEFI BIOS EZ Mode
BIOS	256 Mb Flash ROM, UEFI AMI BIOS
Manageability	WOL by PME, PXE
Accessories	<p>Cables</p> <p>2 x SATA 6Gb/s cables</p> <p>Miscellaneous</p> <ul style="list-style-type: none"> 1 x I/O Shield 1 x M.2 Rubber Package(s) 1 x M.2 SSD screw package(s) 1 x M.2 Key E screw package 1 x TUF Gaming sticker <p>Installation Media</p> <p>1 x Support DVD</p> <p>Documentation</p> <ul style="list-style-type: none"> 1 x TUF Certification card 1 x User manual
Operating System	Windows® 10 - 64 bit
Form Factor	<p>ATX Form Factor</p> <p>12 inch x 9.6 inch (30.5 cm x 24.4 cm)</p>