

**ROG STRIX B550-F
GAMING (WI-FI)**

ASUS

Motherboard

ROG STRIX B550-F GAMING (WI-FI) specifications summary

CPU	AMD Socket AM4 for 3 rd Gen AMD Ryzen™ Processors* * Refer to www.asus.com for CPU support list.
Chipset	AMD 550 Chipset
Memory	3rd Gen AMD Ryzen™ Processors 4 x DIMM, Max. 128GB, 4400(O.C)/4266(O.C)/4133(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 OptiMem II * 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 SafeSlots (supports x16 mode) AMD B550 Chipset 1 x PCIe 3.0 x16 slot (supports x4 mode)* 3 x PCIe 3.0 x1 slots * Share bandwidth with PCIe3.0 x1_1, PCIe3.0 x1_2, PCIe3.0 x1_3
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 Supports RAID 0,1,10 * When the M.2_2 Socket 3 is populated, SATA6G_5/6 ports will be disabled.
Ethernet	1 x Intel® I225-V 2.5Gb Ethernet ASUS LANGuard
Wireless & Bluetooth	Intel® Wi-Fi 6 AX200 2x2 Wi-Fi 6 (802.11 a/b/g/n/ac/ax) support 1024QAM/OFDMA/MU-MIMO Supports up to 2.4/5GHz transfer speed Supports channel bandwidth: HT20/HT40/HT80/HT160 Bluetooth v5.1 *BT 5.1 function will be ready in Windows 10 build 19041 or later.

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USB	Rear USB (Total 8 ports) 2 x USB 3.2 Gen 2 ports (1 x Type-A + 1 x 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	ROG SupremeFX 7.1-Channel High Definition Audio CODEC S1220A - Impedance sense for front and rear headphone outputs - Jack-detection, Multi-streaming, Front Panel Jack-retasking - High quality 120 dB SNR stereo playback output and 113 dB SNR recording input - Supports up to 32-Bit/192kHz playback* Audio Features: - SupremeFX Shielding Technology - Dual OP Amplifiers - Premium Japanese audio capacitors - Audio cover * Due to limitations in HDA bandwidth, 32-Bit/192 kHz is not supported for 8-Channel audio.
Back Panel I/O Ports	2 x USB 3.2 Gen 2 ports (1 x Type-A + 1 x 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 Intel® I225-V 2.5G Ethernet 1 x Optical S/PDIF out 1 x ASUS Wi-Fi Module 5 x Audio jacks
Internal I/O Connectors	Fan and cooling-related 1 x 4-pin CPU Fan header 1 x 4-Pin CPU_OPT fan header 1 x 4-pin AIO_Pump header 3 x 4-pin Chassis Fan headers Power related 1 x 24-pin Main Power connector 1 x 8-pin +12V Power connector 1 x 4-pin +12V Power connector Storage related 2 x M.2 slots (Key M) 6 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

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Internal I/O Connectors	Miscellaneous 1 x AURA Addressable Gen 2 header 2 x AURA RGB headers 1 x Clear CMOS header 1 x Front Panel Audio header (AAFP) 1 x 20-3 pin System Panel header 1 x Thermal sensor header 1 x Thunderbolt header
Special Features	ASUS Q-Design - ASUS Q-DIMM - ASUS Q-LED (DRAM [yellow],CPU [red], VGA [white], Boot Device [yellow green]) - ASUS Q-Slot ASUS Thermal Solution - Aluminum M.2 heatsink design ASUS EZ DIY - BIOS Flashback™ button - BIOS FlashBack™ LED - Clear CMOS header - ProCool - Pre-mounted I/O shield - SafeSlot AURA Sync - Standard RGB headers - Addressable Gen 2 RGB header
Software Features	ROG Exclusive Software - RAMCache III - ROG CPU-Z - GameFirst VI - Sonic Studio III + Sonic Studio Virtual Mixer - Sonic Radar III - DTS® Sound Unbound - Overwolf - Anti-virus software ASUS Exclusive Software Features Armoury Crate - Aura Creator - Aura Sync - AI Noise Cancelling Microphone

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Software Features	AI Suite 3 - PPSU - EPU - Digi+ VRM - Fan Xpert 4 - TurboV EVO - EZ Update WinRAR UEFI BIOS ASUS EZ DIY - 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
Operating System	Windows® 10 - 64 bit
Form Factor	ATX Form Factor 12 inch x 9.6 inch (30.5 cm x 24.4 cm)



Specifications are subject to change without notice. Please refer to the ASUS website for the latest specifications.