ASUS ROG STRIX B850-F GAMING WIFI AMD B850 Sockel AM5 ATX





Marke : ASUS

Artikel-Code: 90MB1J70-M0AAY0

Produktname : ROG STRIX B850-F GAMING WIFI

ASUS ROG STRIX B850-F GAMING WIFI. Prozessorhersteller: AMD, Prozessorsockel: Sockel AM5, Kompatible Prozessoren: AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series. Unterstützte Arbeitsspeicher: DDR5-SDRAM, RAM-Speicher maximal: 256 GB, Arbeitsspeicher Typ: DIMM. Unterstützte Speicherlaufwerk-Schnittstellen: M.2, SATA III, Unterstützte Speicherlaufwerke: HDD & SSD, RAID Level: 0, 1, 5, 10. Maximale Auflösung: 7680 x 4320 Pixel. Ethernet Schnittstellen Typ: 2.5 Gigabit Ethernet, Top WLAN-Standard: Wi-Fi 7 (802.11be), WLAN-Standards: Wi-Fi 7 (802.11be)

Prozessor	
Prozessorhersteller *	AMD
Prozessorsockel *	Sockel AM5
Kompatible Prozessoren *	AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series
Unterstützte Prozessorsteckplätze	Sockel AM5

Speicher	
Unterstützte Arbeitsspeicher *	DDR5-SDRAM
Anzahl der Speichersteckplätze *	4
Arbeitsspeicher Typ	DIMM
Speicherkanäle	Zweikanalig
ECC-Kompatibilität	ECC & Nicht-ECC
Unterstützte Speichertaktrate (max.)	8000 MHz
RAM-Speicher maximal *	256 GB
Unbuffered Speicher	✔

Speicher-Controller	
Unterstützte Speicherlaufwerke	HDD & SSD
Unterstützte Speicherlaufwerk-Schnittstellen *	M.2, SATA III
Maximale unterstützte Anzahl der HDD	2
Anzahl der unterstützten Speicherlaufwerke	6
RAID-Unterstützung	✔

E/A-Anschlüsse auf der Rückseite	
S/PDIF-Ausgang	✔
Optischer Audio-Digitalausgang	1
WiFi-AP-Antennenbuchse	2

Netzwerk	
Ethernet/LAN	✔
Ethernet Schnittstellen Typ	2.5 Gigabit Ethernet
WLAN *	✔
Top WLAN-Standard	Wi-Fi 7 (802.11be)
WLAN-Standards	Wi-Fi 7 (802.11be)
Bluetooth	✔
Bluetooth-Version	5.4

Merkmale	
Motherboard Chipsatz *	AMD B850
Audio-Chip	Realtek ALC4080
Audio Kanäle *	7.1 Kanäle
Produktfarbe	Schwarz
Komponente für *	PC
Motherboardformfaktor *	ATX
Motherboard Chipsatz Familie *	AMD
Energiequelle	ATX
Unterstützt Windows-Betriebssysteme	Windows 11

Speicher-Controller	
RAID Level	0, 1, 5, 10

Grafik	
Parallele Verarbeitungstechnologie *	Nicht unterstützt
Eingebaute Grafikadapter	✗
Maximale Auflösung	7680 x 4320 Pixel

Interne E/A-Anschlüsse	
Anzahl USB 2.0 Schnittstellen *	2
USB 3.2 Gen 1 (3.1 Gen 1) Anschlüsse *	1
USB 3.2 Gen 2 (3.1 Gen 2) Anschlüsse *	1
SATA III Anschlüsse *	2
Front Panel Audiostecker	✓
Frontpanel-Stecker	✓
ATX Stromstecker (24-pol.)	✓
CPU Ventilatorstecker	✓
Anzahl der CPU-Lüfteranschlüsse	2
Zahl der Chassisventilatorstecker	4
EPS Stromstecker (8-pin)	✓
Anzahl der EPS-Stromanschlüsse (4--polig)	2
Thunderbolt-Stiftleisten	1
Anzahl der Wasserpumpenanschlüsse	1
Anzahl der Temperatursensor-Header	1
RGB-LED-Stiftleiste	✓
Anzahl der RGB-LED-Stiftleisten	3

E/A-Anschlüsse auf der Rückseite	
Anzahl USB 2.0 Anschlüsse *	4
USB 3.2 Gen 1 (3.1 Gen 1) Anzahl der Anschlüsse vom Typ A *	4
USB 3.2 Gen 2 (3.1 Gen 2) Anzahl der Anschlüsse vom Typ A *	2
USB 3.2 Gen 2 (3.1 Gen 2) Anzahl der Anschlüsse vom Typ C *	1
USB 3.2 Gen 2x2 Typ-C Anzahl Anschlüsse	1
Anzahl Ethernet-LAN-Anschlüsse (RJ-45) *	1
Anzahl HDMI-Anschlüsse *	1
HDMI-Version	2.1
Anzahl DisplayPort Anschlüsse	1
DisplayPorts-Version	1.4
Kopfhörerausgänge	1
Line-in	✓

Erweiterungssteckplätze	
PCI Express x16-Steckplätze (Gen 4.x)	1
Anzahl der M.2 (M)-Steckplätze	4
1. M.2 größte Schlüsselgröße	2280
1. M.2 höchste PCI Express-Generation	5.0
2. M.2 größte Schlüsselgröße	22110
2. M.2 höchste PCI Express-Generation	5.0
3. M.2 größte Schlüsselgröße	2280
3. M.2 höchste PCI Express-Generation	4.0
4. M.2 größte Schlüsselgröße	2280
4. M.2 höchste PCI Express-Generation	4.0

BIOS	
BIOS-Typ *	UEFI AMI
BIOS-Speichergröße	256 Mbit
Clear-CMOS-Taste	✓

Gewicht und Abmessungen	
Breite	305 mm
Tiefe	244 mm

Sonstige Funktionen	
Audioausgang	**ROG SupremeFX 7.1 Surround Sound High Definition Audio CODEC ALC4080*** - Impedance sense for front and rear headphone outputs - Supports: Jack-detection, Multi-streaming, Front Panel MIC Jack-retasking - High quality 120 dB SNR stereo playback output and 110 dB SNR recording input - Supports up to 32-Bit/384 kHz playback on front panel **Audio Features** - SupremeFX Shielding Technology - Savitech SV3H712 AMP - Rear optical S/PDIF out port - Premium audio capacitors - Audio cover * A chassis with an HD audio module in the front panel is required to support 7.1 Surround Sound audio output. ** The LINE OUT port on the rear panel does not support spatial audio. If you wish to use spatial audio, make sure to connect your audio output device to the audio jack on the front panel of your chassis or use a USB interface audio device.
Spezielle Eigenschaften	**Total supports 4 x M.2 slots and 2 x SATA 6Gb/s ports** **AMD Ryzen™ 7000 & 9000 Series Desktop Processors** M.2_1 (Key M), type 2242/2260/2280 (supports PCIe 5.0x4 mode) M.2_2 (Key M), type 2280/22110 (supports PCIe 5.0 x4 mode) **AMD Ryzen™ 8000 Series Desktop Processors** M.2_1 (Key M), type 2242/2260/2280 (supports PCIe 4.0x4 mode) M.2_2 (Key M), type 2280/22110 (supports PCIe 4.0 x4/x2 mode)* **AMD B850 Chipset** M.2_3 (Key M), type 2280 (supports PCIe 4.0 x4)** M.2_4 (Key M), type 2280 (supports PCIe 4.0 x4) 2 x SATA 6Gb/s ports * Specifications vary by CPU types. ** M.2_3 slot shares bandwidth with PCIEX16(G4). When PCIEX16(G4) slot is operating, M.2_3 will be disabled. **AMD RAIDXpert2 Technology** Ryzen™ 9000 Series Processors: RAID 0/1/5/10 Ryzen™ 8000 Series Processors: RAID 0/1 Ryzen™ 7000 Series Processors: RAID 0/1/10

Sonstige Funktionen	
Duplex Scan-Geschwindigkeit (Farbe)	4 x DIMM slots, max. 256GB, DDR5 Supports up to 8000+MT/s (OC) with Ryzen™ 9000 & 8000 & 7000 Series Processors ECC and Non-ECC, Un-buffered DIMM Dual channel memory architecture Supports AMD Extended Profiles for Overclocking (EXPO™) ASUS Enhanced Memory Profile (AEMP) * Supported memory types, data rate (speed), and number of DRAM modules vary depending on the CPU and memory configuration, for more information please refer to CPU/Memory Support list under the Support tab of product information site or visit https://www.asus.com/support/download-center/. ** Non-ECC, un-buffered DDR5 memory supports On-Die ECC function.
Grafischer Ausgang	1 x DisplayPort* 1 x HDMI™ port** - Graphics specifications may vary between CPU types. Please refer to AMD CPU specifications. * Supports max. 8K@30Hz as specified in DisplayPort 1.4 ** Supports 4K@60Hz as specified in HDMI 2.1 *** VGA resolution support depends on processors' or graphic cards' resolution.

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