

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

Brand : ASUS

Product code: 90MB1J70-M0EAY0

Product name : ROG STRIX B850-F GAMING WIFI

ROG STRIX B850-F GAMING WIFI motherboard socket AMD AM5 (AMD B850, ATX, DDR5 memory, PCIe 5.0, WiFi 7, 2x PCIe 4.0 M.2, Aura Sync)

ASUS ROG STRIX B850-F GAMING WIFI. Processor manufacturer: AMD, Processor socket: Socket AM5, Compatible processor series: AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series. Supported memory types: DDR5-SDRAM, Maximum internal memory: 192 GB, Memory slots type: DIMM. Supported storage drive interfaces: M.2, SATA III, Supported storage drive types: HDD & SSD, RAID levels: 0, 1, 5, 10. Maximum resolution: 7680 x 4320 pixels. Ethernet interface type: 2.5 Gigabit Ethernet, Top Wi-Fi standard: Wi-Fi 7 (802.11be), Wi-Fi standards: Wi-Fi 7 (802.11be)



Processor		Rear panel I/O ports	
Processor manufacturer *	AMD	Ethernet LAN (RJ-45) ports *	1
Processor socket *	Socket AM5	HDMI ports quantity *	1
Compatible processor series *	AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series	HDMI version	2.1
Supported processor sockets	Socket AM5	DisplayPorts quantity	1
Memory	DDR5-SDRAM	DisplayPort version	1.4
		Headphone outputs	1
		Line-in	✓
		S/PDIF out port	✓
		Digital audio optical out	1
Supported memory types *	DDR5-SDRAM	WiFi-AP antenna jack	2
Number of memory slots *	4	Network	
Memory slots type	DIMM	Ethernet LAN	✓
Memory channels	Dual-channel	Ethernet interface type	2.5 Gigabit Ethernet
ECC compatibility	ECC & Non-ECC	Wi-Fi *	✓
Supported memory clock speed (max)	8000 MHz	Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Maximum internal memory *	192 GB	Wi-Fi standards	Wi-Fi 7 (802.11be)
Unbuffered memory	✓	Bluetooth	✓
Storage controllers		Bluetooth version	5.4
Supported storage drive types	HDD & SSD	Features	
Supported storage drive interfaces *	M.2, SATA III	Motherboard chipset *	AMD B850
Number of HDDs supported	2	Audio chip	Realtek ALC4080
Number of storage drives supported	6	Audio output channels *	7.1 channels
RAID support	✓	Product colour	Black
RAID levels	0, 1, 5, 10		

Graphics		Features	
Parallel processing technology support *	Not supported	Component for *	PC
Maximum resolution	7680 x 4320 pixels	Motherboard form factor *	ATX
Internal I/O		Motherboard chipset family *	AMD
		Power source type	ATX
USB 2.0 connectors *	2	Windows operating systems supported	Windows 11
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	Expansion slots	
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	PCI Express x16 (Gen 4.x) slots	1
Number of SATA III connectors *	2	PCI Express x16 (Gen 5.x) slots	1
Front panel audio connector	✓	Number of M.2 (M) slots	4
Front panel connector	✓	1st M.2 largest key size	2280
ATX Power connector (24-pin)	✓	1st M.2 highest PCI Express generation	5.0
CPU fan connector	✓	2nd M.2 largest key size	22110
Number of CPU fan connectors	2	2nd M.2 highest PCI Express generation	5.0
Number of chassis fan connectors	4	3rd M.2 largest key size	2280
EPS power connector (8-pin)	✓	3rd M.2 highest PCI Express generation	4.0
Number of EPS power connectors (8-pin)	2	4th M.2 largest key size	2280
Thunderbolt headers	1	4th M.2 highest PCI Express generation	4.0
Number of water pump connectors	1	BIOS	
Number of temperature sensor headers	1	BIOS type *	UEFI AMI
RGB LED pin header	✓	BIOS memory size	256 Mbit
Number of RGB LED pin headers	3	Clear CMOS button	✓
Rear panel I/O ports		Packaging data	
USB 2.0 ports quantity *	4	Package width	353 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Package depth	273 mm
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2	Package height	68 mm
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1	Package weight	2.06 kg
USB 3.2 Gen 2x2 Type-C ports quantity	1	Weight & dimensions	
		Width	305 mm
		Depth	244 mm
		Packaging content	
		Cables included	SATA
		Antenna included	✓
		Other features	
		Weight	1.63 kg
		Quick installation guide	✓



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