

ASUS ROG STRIX B850-A GAMING WIFI7 NEO AMD B850 Socket AM5 ATX

Brand : ASUS

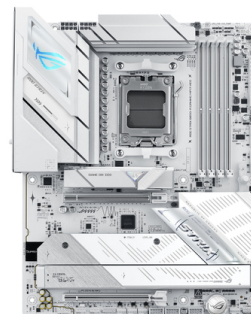
Product code: 90MB1P10-M0EAY0

Product name : ROG STRIX B850-A GAMING WIFI7 NEO

ROG Strix B850-A GAMING WIFI7 NEO AMD ATX Mainboard (14+2+2 Power Stages, DDR5 Slots, 4x M.2 Slots, PCIe 5.0, 3x USB 2.0 Headers, USB 20Gbps Type-C, WiFi 7, Realtek 5G & Aura Sync RGB)

ASUS ROG STRIX B850-A GAMING WIFI7 NEO AMD B850 Socket AM5 ATX:

The ROG STRIX B850-A GAMING WIFI7 Neo motherboard features a sleek white PCB and support for AMD Ryzen™ 9000, 8000, 7000 Series processors, delivering smarter performance and faster connectivity for gaming, creation, and everyday use. Powered by AI technologies — including AI Cache Boost, ASUS AI Advisor, AI Networking II, AI Cooling II and AEMP — it offers a streamlined setup and optimized performance. With support for up to 23 USB ports, enhanced memory routing, EZ PC DIY design, 64MB BIOS, and Realtek® 5G Ethernet, users can enjoy seamless setup, future-ready compatibility, and ultra-fast, stable networking.



Processor		Rear panel I/O ports	
Processor manufacturer *	AMD	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	2
Processor socket *	Socket AM5	Ethernet LAN (RJ-45) ports *	1
Compatible processor series *	AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series	HDMI ports quantity *	1
Supported processor sockets	Socket AM5	HDMI version	2.1
Memory		Headphone outputs	1
Supported memory types *	DDR5-SDRAM	Line-in	✓
Number of memory slots *	4	S/PDIF out port	✓
Memory slots type	DIMM	Digital audio optical out	1
Memory channels	Dual-channel	WiFi-AP antenna jack	2
ECC compatibility	ECC & Non-ECC	Network	
Supported memory clock speed (max)	9000 MHz	Ethernet LAN	✓
Maximum internal memory *	256 GB	Ethernet interface type	5 Gigabit Ethernet
Unbuffered memory	✓	Wi-Fi *	✓
Maximum internal memory per slot	64 GB	Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Storage controllers		Wi-Fi standards	Wi-Fi 7 (802.11be)
Supported storage drive types	HDD & SSD	WLAN controller model	MediaTek MT7925
Supported storage drive interfaces *	M.2, SATA III	Bluetooth	✓
Number of HDDs supported	4	Bluetooth version	5.4
Number of storage drives supported	6	Features	
RAID support	✓	Motherboard chipset *	AMD B850
RAID levels	0, 1, 5, 10	Audio chip	Realtek ALC4080
		Audio output channels *	7.1 channels

Graphics		Features	
Parallel processing technology support *	Not supported	Product colour	White
On-board graphics card	✗	Component for *	PC
Maximum resolution	3840 x 2160 pixels	Motherboard form factor *	ATX
Internal I/O		Motherboard chipset family *	AMD
USB 2.0 connectors *	3	Cooling type	Passive
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	Power source type	ATX
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	Windows operating systems supported	Windows 11
Number of SATA III connectors *	2	Expansion slots	
Front panel audio connector	✓	PCI Express x16 (Gen 4.x) slots	1
Front panel connector	✓	PCI Express x16 (Gen 5.x) slots	1
ATX Power connector (24-pin)	✓	Number of M.2 (M) slots	4
CPU fan connector	✓	1st M.2 largest key size	2280
Number of CPU fan connectors	2	1st M.2 highest PCI Express generation	5.0
Number of chassis fan connectors	4	2nd M.2 largest key size	2280
EPS power connector (8-pin)	✓	2nd M.2 highest PCI Express generation	4.0
Number of EPS power connectors (8-pin)	2	3rd M.2 largest key size	2280
Thunderbolt headers	1	3rd M.2 highest PCI Express generation	4.0
Number of water pump connectors	1	4th M.2 largest key size	2280
RGB LED pin header	✓	4th M.2 highest PCI Express generation	4.0
Number of RGB LED pin headers	3	BIOS	
Rear panel I/O ports		BIOS type *	UEFI AMI
USB 2.0 ports quantity *	2	BIOS memory size	512 Mbit
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	6	Clear CMOS button	✓
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2	BIOS flashback button	✓
		Weight & dimensions	
		Width	305 mm
		Depth	244 mm
		Packaging content	
		Cables included	SATA
		Antenna included	✓
		Other features	
		Quick installation guide	✓



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