ASUS B850 MAX GAMING WIFI W AMD B850 Socket AM5 ATX

Brand : ASUS

Product code: 90MB1M10-M0EAY0

Product name : B850 MAX GAMING WIFI W

B850 MAX GAMING WIFI W AMD AM5 (Ryzen 9000, ATX, DDR5, PCIe 5.0, WiFi 6E, BIOS, CEC Tier II)

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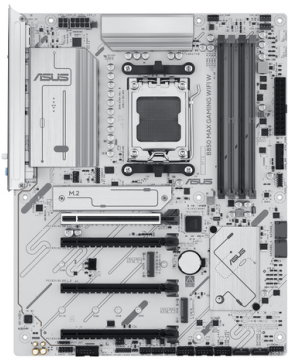
B850 MAX GAMING WIFI W
B850 MAX GAMING WIFI W motherboards are expertly engineered to unleash the full potential of AMD Ryzen™ 9000 series processors. The B850 MAX GAMING WIFI W motherboard provides users and PC DIY builders with a range of performance optimizations via intuitive software and firmware features. It's designed to be Advanced AI PC-ready, offering the power and connectivity needed for demanding AI applications.



Processor	
Processor manufacturer *	AMD
Processor socket *	Socket AM5
Compatible processor series *	AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series
Supported processor sockets	Socket AM5
Memory	
Supported memory types *	DDR5-SDRAM
Number of memory slots *	4
Memory slots type	DIMM
Memory channels	Dual-channel
ECC compatibility	ECC & Non-ECC
Maximum internal memory *	256 GB
Unbuffered memory	✔
Storage controllers	
Supported storage drive types	HDD & SSD
Supported storage drive interfaces *	M.2, SATA III
Number of HDDs supported	4
Number of storage drives supported	7
RAID support	✔
RAID levels	0, 1, 5, 10
Graphics	
Parallel processing technology support *	Not supported
On-board graphics card	✘
Internal I/O	
USB 2.0 connectors *	3

Rear panel I/O ports	
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
Ethernet LAN (RJ-45) ports *	1
HDMI ports quantity *	1
DisplayPorts quantity	1
Line-in	✔
Microphone in	✔
WiFi-AP antenna jack	1
Network	
Ethernet LAN	✔
Ethernet interface type	2.5 Gigabit Ethernet
Wi-Fi *	✔
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Wi-Fi standards	Wi-Fi 6E (802.11ax)
Bluetooth	✔
Bluetooth version	5.3
Features	
Motherboard chipset *	AMD B850
Audio output channels *	7.1 channels
Product colour	White
Component for *	PC
Motherboard form factor *	ATX
Motherboard chipset family *	AMD
Cooling type	Passive
Windows operating systems supported	Windows 10 x64, Windows 11

Internal I/O	
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2
Number of SATA III connectors *	4
S/PDIF out connector	✔
Front panel audio connector	✔
Front panel connector	✔
ATX Power connector (24-pin)	✔
CPU fan connector	✔
Number of CPU fan connectors	1
Number of chassis fan connectors	4
Chassis intrusion connector	✔
Peripheral (Molex) power connectors (4-pin)	1
EPS power connector (8-pin)	✔
Number of COM connectors	1
TPM connector	✔
Thunderbolt headers	1
12V power connector	✔
RGB LED pin header	✔
Number of RGB LED pin headers	3

Rear panel I/O ports	
USB 2.0 ports quantity *	2
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	3

Expansion slots	
PCI Express x16 (Gen 3.x) slots	2
PCI Express x16 (Gen 4.x) slots	1
PCI Express x16 (Gen 5.x) slots	1
Number of M.2 (M) slots	3
1st M.2 largest key size	2280
1st M.2 highest PCI Express generation	5.0
2nd M.2 largest key size	2280
2nd M.2 highest PCI Express generation	4.0
3rd M.2 largest key size	22110
3rd M.2 highest PCI Express generation	4.0

BIOS	
BIOS type *	UEFI AMI
BIOS memory size	256 Mbit

Packaging data	
Package width	353 mm
Package depth	273 mm
Package height	68 mm
Package weight	1.26 kg

Weight & dimensions	
Width	305 mm
Depth	244 mm

Packaging content	
Cables included	SATA
Antenna included	✔
Screws included	✔

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