

ASUS TUF GAMING B850-E WIFI AMD B850 Socket AM5 ATX

Brand : ASUS

Product code: 90MB1L20-M0EAY0

Product name : TUF GAMING B850-E WIFI

AMD B850, AM5, 4 x DIMM slots, max. 256GB DDR5, Realtek 2.5Gb Ethernet, 2x2 Wi-Fi 6E (802.11ax), 256 Mb Flash ROM, UEFI AMI BIOS, ATX

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TUF GAMING B850-E WIFI

ASUS TUF GAMING B850-E WIFI takes all the essential elements of the latest AMD Ryzen™ processors and combines them with game-ready features and proven durability. Engineered with military-grade components, an upgraded power solution and a comprehensive cooling system, this motherboard goes beyond expectations with rock-solid and stable performance for marathon gaming. TUF GAMING motherboards also undergo rigorous endurance testing to ensure that they can handle conditions where others may fail. This platform delivers the power and connectivity that advanced AI PC applications demand.



Processor		Rear panel I/O ports	
Processor manufacturer *	AMD	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
Processor socket *	Socket AM5	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	1
Compatible processor series *	AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
Memory		Ethernet LAN (RJ-45) ports *	1
Supported memory types *	DDR5-SDRAM	HDMI ports quantity *	1
Number of memory slots *	4	DisplayPorts quantity	1
Memory slots type	DIMM	Line-in	✓
Memory channels	Dual-channel	Microphone in	✓
ECC compatibility	ECC & Non-ECC	WiFi-AP antenna jack	2
Supported memory clock speed (max)	8000 MHz	USB connector type	USB Type-A, USB Type-C
Maximum internal memory *	256 GB	Network	
Unbuffered memory	✓	Ethernet LAN	✓
Storage controllers		Ethernet interface type	2.5 Gigabit Ethernet
Supported storage drive types	HDD & SSD	Wi-Fi *	✓
Supported storage drive interfaces *	M.2, SATA III	Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Number of HDDs supported	4	Bluetooth	✓
Number of storage drives supported	7	Bluetooth version	5.3
RAID support	✓	Features	
RAID levels	0, 1, 5, 10	Motherboard chipset *	AMD B850
Graphics		Audio output channels *	7.1 channels
Parallel processing technology support *	Not supported	Product colour	Multicolour
On-board graphics card	✗	Component for *	PC
Internal I/O		Motherboard form factor *	ATX
USB 2.0 connectors *	2	Motherboard chipset family *	AMD
		Cooling type	Passive

Internal I/O		Features	
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	Windows operating systems supported	Windows 10 x64, Windows 11
USB 3.2 Gen 2x2 connectors	1	Expansion slots	
Number of SATA III connectors *	4	PCI Express x1 (Gen 4.x) slots	1
Front panel audio connector	✓	PCI Express x16 (Gen 4.x) slots	1
Front panel connector	✓	Number of M.2 (M) slots	3
ATX Power connector (24-pin)	✓	1st M.2 largest key size	22110
CPU fan connector	✓	1st M.2 highest PCI Express generation	5.0
Number of CPU fan connectors	1	BIOS	
Number of chassis fan connectors	4	BIOS type *	UEFI AMI
Chassis intrusion connector	✓	BIOS memory size	256 Mbit
EPS power connector (8-pin)	✓	Packaging data	
Number of COM connectors	1	Package width	353 mm
12V power connector	✓	Package depth	273 mm
Number of water pump connectors	1	Package height	68 mm
RGB LED pin header	✓	Package weight	1.78 kg
Number of RGB LED pin headers	3	Weight & dimensions	
Rear panel I/O ports		Width	305 mm
USB 2.0 ports quantity *	3	Depth	244 mm
		Height	48 mm
		Packaging content	
		Antenna included	✓
		Other features	
		Weight	1.21 kg



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