

# ASUS TUF GAMING B850-PLUS WIFI AMD B850 Socket AM5 ATX

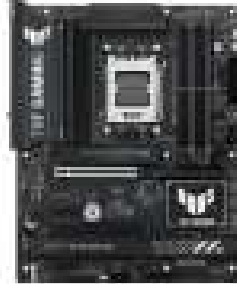
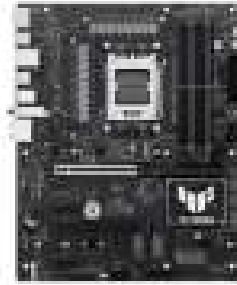
**Brand :** ASUS

**Product code:** 90MB1J30-M0EAY0

**Product name :** TUF GAMING B850-PLUS WIFI

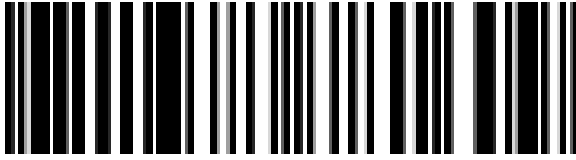
TUF GAMING B850-PLUS WIFI motherboard socket AMD AM5 (AMD B850, ATX, PCIe 5.0, WIFI 7, 2x PCIe 4.0 M.2, Aura Sync)

ASUS TUF GAMING B850-PLUS 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
	AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series	DisplayPorts quantity	1
Supported processor sockets	Socket AM5	DisplayPort version	1.4
Memory	Supported memory types * Number of memory slots * Memory slots type Memory channels ECC compatibility Supported memory clock speed (max) Maximum internal memory * Unbuffered memory	Headphone outputs	1
		Line-in	✓
		Microphone in	✓
		WiFi-AP antenna jack	2
		<b>Network</b>	
		Ethernet LAN	✓
		Ethernet interface type	2.5 Gigabit Ethernet
		Wi-Fi *	✓
<b>Storage controllers</b>		Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Supported storage drive types	HDD & SSD	Wi-Fi standards	Wi-Fi 7 (802.11be)
Supported storage drive interfaces *	M.2, SATA III	Bluetooth	✓
Number of HDDs supported	4	Bluetooth version	5.4
Number of storage drives supported	7	<b>Features</b>	
RAID support	✓	Motherboard chipset *	AMD B850
RAID levels	0, 1, 5, 10	Audio chip	Realtek ALC1220
Graphics	Parallel processing technology support * On-board graphics card Maximum resolution	Product colour	Black
		Component for *	PC
		Motherboard form factor *	ATX
		Motherboard chipset family *	AMD
		Power source type	ATX
		Windows operating systems supported	Windows 11

Internal I/O		Expansion slots	
USB 2.0 connectors *	2	PCI Express x1 (Gen 4.x) slots	2
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	PCI Express x16 (Gen 4.x) slots	1
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	PCI Express x16 (Gen 5.x) slots	1
Number of SATA III connectors *	4	Number of M.2 (M) slots	3
Front panel audio connector	✓	1st M.2 largest key size	2280
Front panel connector	✓	1st M.2 highest PCI Express generation	5.0
ATX Power connector (24-pin)	✓	2nd M.2 largest key size	22110
CPU fan connector	✓	2nd M.2 highest PCI Express generation	4.0
Number of CPU fan connectors	2	3rd M.2 largest key size	2280
Number of chassis fan connectors	4	3rd M.2 highest PCI Express generation	4.0
Chassis intrusion connector	✓	<b>BIOS</b>	
EPS power connector (8-pin)	✓	BIOS type *	UEFI AMI
Number of EPS power connectors (8-pin)	2	BIOS memory size	256 Mbit
Number of COM connectors	1	Clear CMOS button	✓
Thunderbolt headers	1	<b>Packaging data</b>	
Number of water pump connectors	1	Package width	353 mm
RGB LED pin header	✓	Package depth	273 mm
Number of RGB LED pin headers	3	Package height	68 mm
<b>Rear panel I/O ports</b>		Package weight	1.81 kg
USB 2.0 ports quantity *	2	<b>Weight &amp; dimensions</b>	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Width	305 mm
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	3	Depth	244 mm
USB 3.2 Gen 2x2 Type-C ports quantity	1	<b>Packaging content</b>	
		Cables included	SATA
		Antenna included	✓
		<b>Other features</b>	
		Weight	1.32 kg
		Quick installation guide	✓



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