

ASUS TUF GAMING X870-PLUS WIFI AMD X870 Socket AM5 ATX

Brand : ASUS

Product code: 90MB1IU0-M0EAY0

Product name : TUF GAMING X870-PLUS WIFI

AMD AM5, AMD X870, 4 x DIMM slots, max. 192GB, DDR5, 1 x Realtek 2.5Gb Ethernet, 2x2 Wi-Fi 7 (802.11be), 256 Mb Flash ROM, UEFI AMI BIOS, ATX

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TUF GAMING X870-PLUS WIFI

ASUS TUF GAMING X870-PLUS 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		Internal I/O	
Processor manufacturer *	AMD	Number of COM connectors	1
Processor socket *	Socket AM5	12V power connector	✓
Compatible processor series *	AMD Ryzen 7 7th Gen, AMD Ryzen 7 8th Gen, AMD Ryzen 9 7th Gen, AMD Ryzen 9 8th Gen, AMD Ryzen 9 9th Gen	Rear panel I/O ports	
		USB 2.0 ports quantity *	1
		USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4
		USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	3
		USB4 Gen 3x2 ports quantity	2
		Ethernet LAN (RJ-45) ports *	1
		HDMI ports quantity *	1
		Microphone in	✓
		USB connector type	USB Type-A, USB Type-C
Memory		Network	
Supported memory types *	DDR5-SDRAM	Ethernet LAN	✓
Number of memory slots *	4	Ethernet interface type	2.5 Gigabit Ethernet, Fast Ethernet, Gigabit Ethernet
Memory slots type	DIMM	Wi-Fi *	✓
Memory channels	Dual-channel	Top Wi-Fi standard	Wi-Fi 7 (802.11be)
ECC	✓	Wi-Fi standards	Wi-Fi 7 (802.11be)
Non-ECC	✓	Bluetooth	✓
Supported memory clock speed (max)	8000 MHz	Bluetooth version	5.4
Maximum internal memory *	192 GB	Features	
Unbuffered memory	✓	Motherboard chipset *	AMD X870
Storage controllers		Audio chip	Realtek ALC1220P
Supported storage drive types	HDD & SSD	Audio output channels *	7.1 channels
Supported storage drive interfaces *	M.2, SATA III	Product colour	Black
Number of HDDs supported	2	Component for *	PC
Number of storage drives supported	6	Motherboard form factor *	ATX
RAID support	✓	Motherboard chipset family *	AMD
RAID levels	0, 1, 5, 10	Windows operating systems supported	Windows 11
Graphics			
Parallel processing technology support *	Not supported		
On-board graphics card	✗		
Internal I/O			
USB 2.0 connectors *	2		
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1		

Internal I/O		Expansion slots	
USB 3.2 Gen 2x2 connectors	1	PCI Express x16 (Gen 4.x) slots	1
Number of SATA III connectors *	2	Number of M.2 (M) slots	4
Front panel audio connector	✓	BIOS	
ATX Power connector (24-pin)	✓	BIOS type *	UEFI AMI
CPU fan connector	✓	BIOS memory size	256 Mbit
Number of chassis fan connectors	4	Weight & dimensions	
EPS power connector (8-pin)	✓	Width	305 mm
		Depth	244 mm



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