

ASUS PRIME B850-PLUS WIFI AMD B850 Socket AM5 ATX

Brand : ASUS

Product code: 90MB1L80-M0EAY0

Product name : PRIME B850-PLUS WIFI

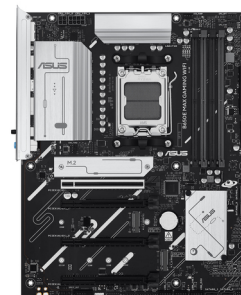
AMD B850, 4 x DIMM slots, max. 256GB, DDR5, Realtek 2.5Gb Ethernet, 2x2 Wi-Fi 6E (802.11ax), Bluetooth 5.3, 256Mb Flash ROM UEFI AMI BIOS, ATX

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PRIME 850-PLUS WIFI

ASUS Prime series motherboards are expertly engineered to unleash the full potential of AMD Ryzen™ 9000 series processors. The PRIME B850-PLUS WIFI 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.

* CEC Tier II ready



Processor		Rear panel I/O ports	
Processor manufacturer *	AMD	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor socket *	Socket AM5	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	3
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	Microphone in	✓
Memory channels	Dual-channel	Network	
ECC compatibility	ECC & Non-ECC	Ethernet LAN	✓
Supported memory clock speed (max)	8000 MHz	Ethernet interface type	2.5 Gigabit Ethernet
Maximum internal memory *	256 GB	Wi-Fi *	✓
Unbuffered memory	✓	Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Storage controllers		Bluetooth	✓
Supported storage drive types	HDD & SSD	Bluetooth version	5.3
Supported storage drive interfaces *	M.2, SATA III	Features	
Number of HDDs supported	4	Motherboard chipset *	AMD B850
Number of storage drives supported	7	Audio output channels *	7.1 channels
RAID support	✓	Product colour	Multicolour
RAID levels	0, 1, 5, 10	Component for *	PC
Graphics		Motherboard form factor *	ATX
Parallel processing technology support *	Not supported	Motherboard chipset family *	AMD
Internal I/O		Windows operating systems supported	Windows 10 x64, Windows 11
USB 2.0 connectors *	3	Compatible operating systems	Windows 11, Windows 10 64-bit

Internal I/O		Expansion slots	
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	PCI Express x16 (Gen 3.x) slots	2
Number of SATA III connectors *	4	PCI Express x16 (Gen 4.x) slots	1
S/PDIF out connector	✓	Number of M.2 (M) slots	3
Front panel audio connector	✓	BIOS	
ATX Power connector (24-pin)	✓	BIOS type *	UEFI AMI
CPU fan connector	✓	BIOS memory size	256 Mbit
Number of CPU fan connectors	1	Packaging data	
Number of chassis fan connectors	4	Package width	353 mm
Chassis intrusion connector	✓	Package depth	68 mm
EPS power connector (8-pin)	✓	Package height	273 mm
Number of COM connectors	1	Package weight	1.26 kg
TPM connector	✓	Weight & dimensions	
Thunderbolt headers	1	Width	305 mm
12V power connector	✓	Depth	244 mm
Rear panel I/O ports		Height	48 mm
USB 2.0 ports quantity *	2	Other features	
		Weight	1.05 kg



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