

ASUS PRIME B860-PLUS WIFI Intel B860 LGA 1851 (Socket V1) ATX

Brand : ASUS

Product code: 90MB1K50-M0EAY0

Product name : PRIME B860-PLUS WIFI

Intel B860 Chipset, 4 x DIMM slots, max. 256GB, DDR5 Support up to 8666+MT/s (OC), Non-ECC, Unbuffered ,Clocked Unbuffered DIMM (CUDIMM)

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B860-PLUS WIFI

ASUS PRIME series motherboards are expertly engineered to unleash the full potential of the latest Intel® Core™ Ultra Processors (Series 2). Boasting a robust power design, comprehensive cooling solutions and intelligent tuning options, the PRIME B860-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.



Processor		Rear panel I/O ports	
Processor manufacturer *	Intel	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
Processor socket *	LGA 1851 (Socket V1)	USB 3.2 Gen 2x2 Type-C ports quantity	1
Compatible processor series *	Intel Core Ultra (Series 2)	Ethernet LAN (RJ-45) ports *	1
Supported processor sockets	LGA 1851	HDMI ports quantity *	1
Memory		DisplayPorts quantity	1
Supported memory types *	DDR5-SDRAM	WiFi-AP antenna jack	1
Number of memory slots *	4	Network	
Memory slots type	DIMM	Ethernet LAN	✓
Memory channels	Dual-channel	Ethernet interface type	2.5 Gigabit Ethernet
ECC compatibility	Non-ECC	Wi-Fi *	✓
Maximum internal memory *	256 GB	Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Unbuffered memory	✓	Wi-Fi standards	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 *	Intel B860
Number of storage drives supported	6	Audio output channels *	7.1 channels
RAID support	✓	Product colour	Aluminium, Black
RAID levels	0, 1, 5, 10	Component for *	PC
Graphics		Motherboard form factor *	ATX
Parallel processing technology support *	Not supported	Motherboard chipset family *	Intel
On-board graphics card	✗	Windows operating systems supported	Windows 10 x64, Windows 11
Internal I/O		Expansion slots	
USB 2.0 connectors *	1	PCI Express x16 (Gen 4.x) slots	4
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	PCI Express x16 (Gen 5.x) slots	1

Internal I/O		Expansion slots	
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	Number of M.2 (M) slots	2
Number of SATA III connectors *	4	1st M.2 largest key size	2280
S/PDIF out connector	✓	1st M.2 highest PCI Express generation	5.0
Front panel audio connector	✓	2nd M.2 largest key size	2280
Front panel connector	✓	2nd M.2 highest PCI Express generation	4.0
ATX Power connector (24-pin)	✓	BIOS	
CPU fan connector	✓	BIOS type *	UEFI AMI
Number of chassis fan connectors	4	BIOS memory size	256 Mbit
Chassis intrusion connector	✓	Packaging data	
Number of COM connectors	1	Package width	377 mm
TPM connector	✓	Package depth	372 mm
Thunderbolt headers	1	Package height	302 mm
12V power connector	✓	Package weight	1.66 kg
RGB LED pin header	✓	Weight & dimensions	
Rear panel I/O ports		Width	305 mm
USB 2.0 ports quantity *	4	Depth	244 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1	Packaging content	
		Cables included	SATA
		Antenna included	✓
		Screws included	✓



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