

ASUS PRIME B650-PLUS WIFI AMD B650 Socket AM5 ATX

Brand : ASUS

Product code: 90MB1KP0-M0EAY0

Product name : PRIME B650-PLUS WIFI

AMD B650 ATX motherboard, DDR5, PCIe 5.0 M.2 support, Realtek 2.5Gb Ethernet, WIFI 6E, DisplayPort, HDMI, SATA 6 Gbps, USB 10Gbps Type-C, front USB 5Gbps Type-C, BIOS FlashBack, Thunderbolt 4 header, AURA Sync

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B650-PLUS WIFI

ASUS Prime series motherboards are expertly engineered to unleash the full potential of AMD Ryzen 9000 & 8000 & 7000 Series processors. Boasting a robust power design, comprehensive cooling solutions and intelligent tuning options, PRIME B650-PLUS WIFI provides users and PC DIY builders with a range of performance optimizations via intuitive software and firmware features. 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 *	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
Supported processor sockets	Socket AM5	Ethernet LAN (RJ-45) ports *	1
Memory		HDMI ports quantity *	1
Supported memory types *	DDR5-SDRAM	DisplayPorts quantity	1
Number of memory slots *	4	S/PDIF out port	✓
Memory slots type	DIMM	Wi-Fi-AP antenna jack	1
Memory channels	Dual-channel	Network	
ECC compatibility	ECC & Non-ECC	Ethernet LAN	✓
Supported memory clock speeds MHz	7400, 4800, 7600, 7800, 5000, 5200, 5400, 5600, 5800, 6000, 6200, 6400, 6600, 6800, 7000, 7200	Ethernet interface type	2.5 Gigabit Ethernet
Supported memory clock speed (max)	7600 MHz	Wi-Fi *	✓
Maximum internal memory *	192 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 *	AMD B650
Number of storage drives supported	6	Audio output channels *	7.1 channels
RAID support	✓	Component for *	PC
RAID levels	0, 1, 10	Motherboard form factor *	ATX
Graphics		Motherboard chipset family *	AMD
Parallel processing technology support *	Not supported	Windows operating systems supported	Windows 10 x64, Windows 11
Internal I/O			
USB 2.0 connectors *	2		
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2		
Number of SATA III connectors *	4		
Front panel audio connector	✓		

Internal I/O		Expansion slots	
Front panel connector	✓	PCI Express x1 (Gen 4.x) slots	2
ATX Power connector (24-pin)	✓	PCI Express x16 (Gen 4.x) slots	2
CPU fan connector	✓	Number of M.2 (M) slots	2
Number of CPU fan connectors	2	1st M.2 largest key size	22110
Number of chassis fan connectors	3	1st M.2 highest PCI Express generation	5.0
EPS power connector (8-pin)	✓	2nd M.2 largest key size	22110
Number of COM connectors	1	2nd M.2 highest PCI Express generation	4.0
TPM connector	✓	BIOS	
Thunderbolt headers	1	BIOS type *	UEFI AMI
12V power connector	✓	BIOS memory size	256 Mbit
RGB LED pin header	✓	Packaging data	
Number of RGB LED pin headers	1	Package width	338 mm
Rear panel I/O ports		Package depth	373 mm
USB 2.0 ports quantity *	2	Package height	68 mm
		Package weight	1.35 kg
		Weight & dimensions	
		Width	305 mm
		Depth	244 mm
		Packaging content	
		Cables included	SATA
		Antenna included	✓
		Screws included	✓



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Catalog Object Cloud



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