

ASUS PRIME B850M-K AMD B850 Socket AM5 micro ATX

Brand : ASUS

Product code: 90MB1LV0-M0EAY0

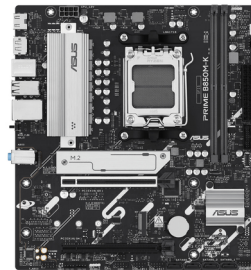
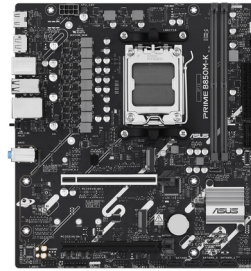
Product name : PRIME B850M-K

PRIME B850M-K Gaming AMD AM5 (Ryzen 9000, DDR5, 2x M.2, PCIe 5.0, BIOS Flashback, Aura Sync)

[ASUS PRIME B850M-K AMD B850 Socket AM5 micro ATX:](#)

B850M-K

ASUS Prime series motherboards are expertly engineered to unleash the full potential of AMD Ryzen™ 9000 series processors. The PRIME B850M-K 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 *	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 *	2
Compatible processor series *	AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series	Ethernet LAN (RJ-45) ports *	1
Supported processor sockets	Socket AM5	PS/2 ports quantity	1
Memory		HDMI ports quantity *	1
Supported memory types *	DDR5-SDRAM	DisplayPorts quantity	1
Number of memory slots *	2	Network	
Memory slots type	DIMM	Ethernet LAN	✓
Memory channels	Dual-channel	Ethernet interface type	2.5 Gigabit Ethernet
ECC compatibility	ECC & Non-ECC	Wi-Fi *	✗
Maximum internal memory *	128 GB	Features	
Unbuffered memory	✓	Motherboard chipset *	AMD B850
Storage controllers		Audio output channels *	7.1 channels
Supported storage drive types	HDD & SSD	Component for *	PC
Supported storage drive interfaces *	M.2, SATA III	Motherboard form factor *	micro ATX
Number of HDDs supported	4	Motherboard chipset family *	AMD
Number of storage drives supported	6	Windows operating systems supported	Windows 10 x64, Windows 11
RAID support	✓	Expansion slots	
RAID levels	0, 1, 5, 10	PCI Express x16 (Gen 4.x) slots	1
Graphics		PCI Express x16 (Gen 5.x) slots	1
Parallel processing technology support *	Not supported	Number of M.2 (M) slots	2
Internal I/O		1st M.2 largest key size	2280
USB 2.0 connectors *	2	1st M.2 highest PCI Express generation	5.0
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	2nd M.2 largest key size	2280

Internal I/O		Expansion slots	
Number of SATA III connectors *	4	2nd M.2 highest PCI Express generation	4.0
S/PDIF out connector	✓	BIOS	
Front panel audio connector	✓	BIOS type *	UEFI AMI
Front panel connector	✓	BIOS memory size	256 Mbit
ATX Power connector (24-pin)	✓	Packaging data	
CPU fan connector	✓	Package width	564 mm
Number of CPU fan connectors	1	Package depth	288 mm
Number of chassis fan connectors	3	Package height	297 mm
EPS power connector (8-pin)	✓	Package weight	1.07 kg
Number of COM connectors	1	Weight & dimensions	
TPM connector	✓	Width	244 mm
12V power connector	✓	Depth	221 mm
RGB LED pin header	✓	Packaging content	
Rear panel I/O ports		Cables included	SATA
USB 2.0 ports quantity *	4	Screws included	✓



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