

ASUS PRIME B840M-K AMD B840 Socket AM5 micro ATX

Brand : ASUS

Product code: 90MB1PK0-M0EAY0

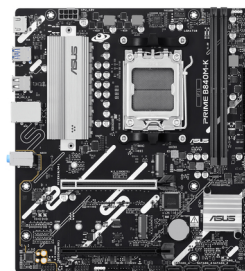
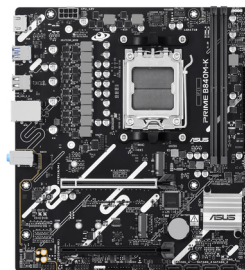
Product name : PRIME B840M-K

PRIME B840M-K AMD B840 micro-ATX (DDR5, M.2, Realtek 2.5Gb Ethernet, HDMI, Front USB 5Gbps Type-C, Aura Sync)

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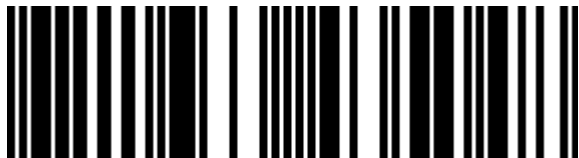
B840M-K

ASUS Prime series motherboards are expertly engineered to unleash the full potential of AMD Ryzen™ 9000 series processors. The PRIME B840M-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		Internal I/O	
Processor manufacturer *	AMD	RGB LED pin header	✓
Processor socket *	Socket AM5	Number of RGB LED pin headers	3
Compatible processor series *	AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series	Rear panel I/O ports	
Supported processor sockets	Socket AM5	USB 2.0 ports quantity *	2
Memory		USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4
Supported memory types *	DDR5-SDRAM	Ethernet LAN (RJ-45) ports *	1
Number of memory slots *	2	HDMI ports quantity *	1
Memory slots type	DIMM	Network	
Memory channels	Dual-channel	Ethernet LAN	✓
ECC compatibility	ECC & Non-ECC	Ethernet interface type	2.5 Gigabit Ethernet
Maximum internal memory *	128 GB	Wi-Fi *	✗
Unbuffered memory	✓	Features	
Storage controllers		Motherboard chipset *	AMD B840
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	4	Component for *	PC
Number of storage drives supported	6	Motherboard form factor *	micro ATX
RAID support	✓	Motherboard chipset family *	AMD
RAID levels	0, 1, 5, 10	Windows operating systems supported	Windows 10 x64, Windows 11
Graphics		Expansion slots	
Parallel processing technology support *	Not supported	PCI Express x16 (Gen 3.x) slots	1
Internal I/O		PCI Express x16 (Gen 4.x) slots	1
USB 2.0 connectors *	2	Number of M.2 (M) slots	2
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	BIOS	
		BIOS type *	UEFI AMI

Internal I/O		BIOS	
Number of SATA III connectors *	4	BIOS memory size	256 Mbit
S/PDIF out connector	✓	Packaging data	
Front panel audio connector	✓	Package width	270 mm
Front panel connector	✓	Package depth	263 mm
ATX Power connector (24-pin)	✓	Package height	51.5 mm
CPU fan connector	✓	Package weight	1.02 kg
Number of chassis fan connectors	3	Weight & dimensions	
EPS power connector (8-pin)	✓	Width	244 mm
Number of COM connectors	1	Depth	221 mm
TPM connector	✓	Packaging content	
12V power connector	✓	Cables included	SATA
		Screws included	✓



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Catalog Object Cloud



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