

ASUS PRIME B840M-A-CSM AMD B840 Socket AM5 micro ATX

Brand : ASUS

Product code: 90MB1J10-M0EAYC

Product name : PRIME B840M-A-CSM

PRIME B840M-A-CSM motherboard socket AMD AM5 (AMD B840, mATX, DDR5 memory, 3x M.2, PCIe 4.0, Aura Sync)

ASUS PRIME B840M-A-CSM. Processor manufacturer: AMD, Processor socket: Socket AM5, Compatible processor series: AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series. Supported memory types: DDR5-SDRAM, Maximum internal memory: 192 GB, Memory slots type: DIMM. Supported storage drive interfaces: M.2, SATA III, Supported storage drive types: HDD & SSD, RAID levels: 0, 1, 5, 10. Maximum resolution: 7680 x 4320 pixels. Ethernet interface type: 2.5 Gigabit Ethernet



Processor		Rear panel I/O ports	
Processor manufacturer *	AMD	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
Processor socket *	Socket AM5	Ethernet LAN (RJ-45) ports *	1
Compatible processor series *	AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series	HDMI ports quantity *	1
Supported processor sockets	Socket AM5	HDMI version	2.1
Memory		DisplayPorts quantity	1
Supported memory types *	DDR5-SDRAM	DisplayPort version	1.4
Number of memory slots *	4	Headphone outputs	1
Memory slots type	DIMM	Line-in	✓
Memory channels	Dual-channel	Network	
ECC compatibility	ECC & Non-ECC	Ethernet LAN	✓
Supported memory clock speed (max)	7600 MHz	Ethernet interface type	2.5 Gigabit Ethernet
Maximum internal memory *	192 GB	Wi-Fi *	✗
Unbuffered memory	✓	Top Wi-Fi standard	Not available
Storage controllers		Features	
Supported storage drive types	HDD & SSD	Motherboard chipset *	AMD B840
Supported storage drive interfaces *	M.2, SATA III	Audio output channels *	7.1 channels
Number of HDDs supported	4	Product colour	Grey
Number of storage drives supported	7	Component for *	PC
RAID support	✓	Motherboard form factor *	micro ATX
RAID levels	0, 1, 5, 10	Motherboard chipset family *	AMD
Graphics		Power source type	ATX
Parallel processing technology support *	Not supported	Windows operating systems supported	Windows 10 x64, Windows 11
Maximum resolution	7680 x 4320 pixels	Expansion slots	
Internal I/O		PCI Express x16 (Gen 3.x) slots	2
USB 2.0 connectors *	2	PCI Express x16 (Gen 4.x) slots	1
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	Number of M.2 (M) slots	3
Number of SATA III connectors *	4	1st M.2 largest key size	2280
		1st M.2 highest PCI Express generation	4.0
		2nd M.2 largest key size	2280

Internal I/O		Expansion slots	
S/PDIF out connector	✓	2nd M.2 highest PCI Express generation	4.0
Front panel audio connector	✓	3rd M.2 largest key size	2280
Front panel connector	✓	3rd M.2 highest PCI Express generation	3.0
ATX Power connector (24-pin)	✓	BIOS	
CPU fan connector	✓	BIOS type *	UEFI AMI
Number of CPU fan connectors	2	BIOS memory size	256 Mbit
Number of chassis fan connectors	2	Packaging data	
EPS power connector (8-pin)	✓	Package width	275 mm
Number of EPS power connectors (8-pin)	1	Package depth	275 mm
Number of COM connectors	1	Package height	67.5 mm
TPM connector	✓	Package weight	1.45 kg
RGB LED pin header	✓	Weight & dimensions	
Number of RGB LED pin headers	3	Width	244 mm
Rear panel I/O ports		Depth	244 mm
USB 2.0 ports quantity *	4	Packaging content	
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1	Cables included	SATA
		Screws included	✓
		Other features	
		Weight	910 g
		Quick installation guide	✓



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