

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

Brand : ASUS

Product code: 90MB1J20-M0EAY0

Product name : PRIME B840M-A WIFI

AMD B840 Chipset, 4 x DIMM slots, max. 192GB, DDR5, 3 x M.2 slots and 4 x SATA 6Gb/s ports

ASUS PRIME B840M-A WIFI AMD B840 Socket AM5 micro ATX:

B840M-A WIFI

ASUS Prime series motherboards are expertly engineered to unleash the full potential of AMD Ryzen™ 9000 series processors. The PRIME B840M-A 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 *	AMD	HDMI ports quantity *	1
Processor socket *	Socket AM5	DisplayPorts quantity	2
Compatible processor series *	AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series	WiFi-AP antenna jack	1
Supported processor sockets	Socket AM5	Network	
Memory		Ethernet LAN	✓
Supported memory types *	DDR5-SDRAM	Ethernet interface type	2.5 Gigabit Ethernet
Number of memory slots *	4	Wi-Fi *	✓
Memory slots type	DIMM	Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Memory channels	Dual-channel	Wi-Fi standards	Wi-Fi 6E (802.11ax)
ECC compatibility	ECC & Non-ECC	Bluetooth	✓
Maximum internal memory *	192 GB	Bluetooth version	5.3
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	Component for *	PC
Number of HDDs supported	4	Motherboard form factor *	micro ATX
Number of storage drives supported	7	Motherboard chipset family *	AMD
RAID support	✓	Windows operating systems supported	Windows 10 x64, Windows 11
RAID levels	0, 1, 5, 10	Expansion slots	
Graphics		PCI Express x16 (Gen 3.x) slots	2
Parallel processing technology support *	Not supported	PCI Express x16 (Gen 4.x) slots	1
Internal I/O		Number of M.2 (M) slots	3
USB 2.0 connectors *	2	1st M.2 largest key size	2280
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	1st M.2 highest PCI Express generation	4.0
Number of SATA III connectors *	4	2nd M.2 largest key size	2280
S/PDIF out connector	✓	2nd M.2 highest PCI Express generation	4.0
Front panel audio connector	✓	3rd M.2 largest key size	2280

Internal I/O		Expansion slots	
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 chassis fan connectors	3	BIOS memory size	256 Mbit
Number of COM connectors	1	Packaging data	
TPM connector	✓	Package width	275 mm
12V power connector	✓	Package depth	275 mm
Rear panel I/O ports		Package height	67.5 mm
USB 2.0 ports quantity *	4	Package weight	1.52 kg
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1	Weight & dimensions	
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2	Width	244 mm
Ethernet LAN (RJ-45) ports *	1	Depth	244 mm
		Packaging content	
		Cables included	SATA
		Antenna included	✓
		Screws included	✓



4711387797143



0197105797147



197105797147

Catalog Object Cloud



Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.