

GIGABYTE B840M H Motherboard - AMD Ryzen 9000 CPUs, 5+2+2 Phases VRM, up to 7200MHz DDR5 (OC), 1xPCIe 4.0 M.2, 1GbE LAN, USB 3.2 Gen 1

Brand : GIGABYTE

Product code: B840M H

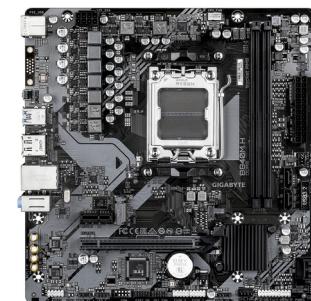
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- X3D Turbo Mode to unleash new era gaming performance
- AMD Socket AM5: Supports AMD Ryzen 9000 / 8000 / 7000 Series Processors
- Digital 5+2+2 phases VRM solution
- Dual Channel DDR5: 2*DIMMs with AMD EXPO Memory Module Support
- EZ-Latch: PCIe x16 Slot with Quick Release Design
- Friendly UI: Multi-Theme, AIO Fan Control, and Q-Flash Auto Scan in BIOS and SW
- Ultra-Fast Storage: 1* PCIe 4.0 x4 M.2 slot
- Fast Networking: GbE LAN

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Elevate your computing experience with GIGABYTE's renowned motherboard series: AORUS, AERO, and GIGABYTE. Featuring innovative designs and advanced features, these boards offer exceptional performance and reliability. Whether you're a gamer, content creator, or professional, our series cater to your needs, ensuring uncompromising quality and cutting-edge technology.

Processor		Rear panel I/O ports	
Processor manufacturer *	AMD	DisplayPort version	1.4
Processor socket *	Socket AM5	Headphone outputs	1
Compatible processor series *	AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series	Line-in	✓
Supported processor sockets	Socket AM5	Microphone in	✓
Memory		Network	
Supported memory types *	DDR5-SDRAM	Ethernet LAN	✓
Number of memory slots *	2	Ethernet interface type	Gigabit Ethernet
Memory slots type	DIMM	LAN controller	Realtek RTL8111H
Memory channels	Dual-channel	Wi-Fi *	✗
ECC compatibility	Non-ECC	Features	
Supported memory clock speeds	7200,7000,6800,6666,6600,6400,6200,6000,5600,5200,4800,4400 MHz	Motherboard chipset *	AMD B840
Supported memory clock speed (max)	7200 MHz	Audio chip	Realtek ALC897
Maximum internal memory *	128 GB	Audio output channels *	7.1 channels
Unbuffered memory	✓	Product colour	Dark brown
Maximum internal memory per slot	64 GB	PC health monitoring	Fan, Temperature, Voltage, Water cooling
Storage controllers		Component for *	PC
Supported storage drive types	HDD & SSD	Motherboard form factor *	micro ATX
Supported storage drive interfaces *	M.2, PCI Express 4.0, SATA III	Motherboard chipset family *	AMD
Number of HDDs supported	4	Cooling type	Passive
Number of storage drives supported	5	Power source type	ATX
RAID support	✓	Windows operating systems supported	Windows 10 x64, Windows 11 x64
RAID levels	0, 1, 5, 10	Expansion slots	
Graphics		PCI Express x1 (Gen 3.x) slots	1
Parallel processing technology support *	Not supported	PCI Express x16 (Gen 4.x) slots	1
Maximum resolution	4096 x 2160 pixels	Number of M.2 (M) slots	1
HDCP	✓		
HDCP version	2.3		

Graphics		Expansion slots	
DirectX version	12.0	1st M.2 largest key size	2580
Internal I/O		1st M.2 highest PCI Express generation	
USB 2.0 connectors *	2	BIOS	
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	BIOS type *	UEFI AMI
Number of SATA III connectors *	4	BIOS memory size	256 Mbit
Front panel audio connector	✓	ACPI version	5.0
Front panel connector	✓	Clear CMOS jumper	✓
ATX Power connector (24-pin)	✓	Desktop Management Interface (DMI) version	2.7
CPU fan connector	✓	System Management BIOS (SMBIOS) version	2.7
Number of CPU fan connectors	1	Logistics data	
Number of chassis fan connectors	2	Products per shipping (inner) case	1 pc(s)
EPS power connector (8-pin)	✓	Battery	
Number of EPS power connectors (8-pin)	1	Battery weight	3 g
TPM connector	✓	Lithium weight per battery	0.07 g
12V power connector	✓	Number of battery cells	1
RGB LED pin header	✓	Battery technology	Lithium-Manganese Dioxide (LiMnO ₂)
Number of RGB LED pin headers	3	Battery type	CR2032
Rear panel I/O ports		Packaging data	
USB 2.0 ports quantity *	4	Package width	265 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Package depth	265 mm
Ethernet LAN (RJ-45) ports *	1	Package height	54 mm
PS/2 ports quantity	1	Package weight	941 g
HDMI ports quantity *	1	Weight & dimensions	
HDMI version	2.1	Width	230 mm
DisplayPorts quantity	1	Depth	225 mm
		Height	35 mm
Packaging content		Packaging content	
		Batteries included	✓
		Screws included	✓
		Bundled software	Norton® Internet Security (OEM version)
Other features		Other features	
		Weight	880 g
Technical details		Technical details	
		Warranty period	3 year(s)



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Catalog Object Cloud



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