

GIGABYTE B840M D2H Motherboard - AMD Ryzen 9000 CPUs, 5+2+2 Phases VRM, up to 7600MHz DDR5, 1xPCIe 4.0 + 1xPCIe 3.0 M.2, 2.5GbE LAN, USB 3.2 Gen 1

Brand : GIGABYTE

Product code: B840M D2H

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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 : 2*M.2 slots, including 1* PCIe 4.0 x4
- Fast Networking : 2.5GbE 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

Processor		Rear panel I/O ports	
Processor manufacturer *	AMD	Microphone in	✓
Processor socket *	Socket AM5	Network	
Compatible processor series *	AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series	Ethernet LAN	✓
		Ethernet interface type	2.5 Gigabit Ethernet
Supported processor sockets	Socket AM5	LAN controller	Realtek RTL8125
Memory		Wi-Fi *	✗
Supported memory types *	DDR5-SDRAM	Features	
Number of memory slots *	2	Motherboard chipset *	AMD B840
Memory slots type	DIMM	Audio chip	Realtek ALC897
Memory channels	Dual-channel	Audio output channels *	7.1 channels
ECC compatibility	Non-ECC	Product colour	Dark brown
Supported memory clock speeds	7600,7200,7000,6800,6666,6600,6400,6200,6000,5600,5200,4800,4400 MHz	PC health monitoring	Fan, Temperature, Voltage, Water cooling
Supported memory clock speed (max)	7600 MHz	Component for *	PC
Maximum internal memory *	128 GB	Motherboard form factor *	micro ATX
Unbuffered memory	✓	Motherboard chipset family *	AMD
Maximum internal memory per slot	64 GB	Cooling type	Passive
Storage controllers		Power source type	ATX
Supported storage drive types	HDD & SSD	Windows operating systems supported	Windows 10 x64, Windows 11 x64
Supported storage drive interfaces *	M.2, PCI Express 4.0, SATA III	Expansion slots	
Number of HDDs supported	4	PCI Express x16 (Gen 3.x) slots	1
Number of storage drives supported	6	PCI Express x16 (Gen 4.x) slots	1
RAID support	✓	Number of M.2 (M) slots	2
RAID levels	0, 1, 10	1st M.2 largest key size	2580
Graphics		1st M.2 highest PCI Express generation	4.0
Parallel processing technology support *	Not supported	2nd M.2 largest key size	2280
Maximum resolution	4096 x 2160 pixels		
HDCP	✓		
DirectX version	12.0		

Internal I/O		Expansion slots	
USB 2.0 connectors *	2	2nd M.2 highest PCI Express generation	3.0
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	BIOS	
Number of SATA III connectors *	4	BIOS type *	UEFI AMI
Front panel audio connector	✓	BIOS memory size	256 Mbit
Front panel connector	✓	ACPI version	5.0
ATX Power connector (24-pin)	✓	Clear CMOS jumper	✓
CPU fan connector	✓	Desktop Management Interface (DMI) version	2.7
Number of CPU fan connectors	2	System Management BIOS (SMBIOS) version	2.7
Number of chassis fan connectors	1	Logistics data	
EPS power connector (8-pin)	✓	Products per shipping (inner) case	1 pc(s)
Number of EPS power connectors (8-pin)	1	Battery	
TPM connector	✓	Battery weight	3 g
Number of water pump connectors	1	Lithium weight per battery	0.07 g
RGB LED pin header	✓	Number of battery cells	1
Number of RGB LED pin headers	3	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
Rear panel I/O ports		Battery type	CR2032
USB 2.0 ports quantity *	4	Packaging data	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Package width	265 mm
Ethernet LAN (RJ-45) ports *	1	Package depth	265 mm
PS/2 ports quantity	1	Package height	54 mm
HDMI ports quantity *	1	Package weight	1.03 kg
HDMI version	2.1	Weight & dimensions	
Headphone outputs	1	Width	244 mm
Line-in	✓	Depth	244 mm
		Height	35 mm
		Packaging content	
		Batteries included	✓
		Screws included	✓
		Bundled software	Norton® Internet Security (OEM version) LAN bandwidth management software
		Other features	
		Weight	940 g
		Technical details	
		Warranty period	3 year(s)



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