

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	✓
Supported processor sockets	Socket AM5	Ethernet interface type	2.5 Gigabit Ethernet
Memory		LAN controller	Realtek RTL8125
Supported memory types *	DDR5-SDRAM	Wi-Fi *	✗
Number of memory slots *	2	Features	
Memory slots type	DIMM	Motherboard chipset *	AMD B840
Memory channels	Dual-channel	Audio chip	Realtek ALC897
ECC compatibility	Non-ECC	Audio output channels *	7.1 channels
Supported memory clock speeds	7600,7200,7000,6800,6666,6600,6400,6200,6000,5600,5200,4800,4400 MHz	Product colour	Dark brown
Supported memory clock speed (max)	7600 MHz	PC health monitoring	Fan, Temperature, Voltage, Water cooling
Maximum internal memory *	128 GB	Component for *	PC
Unbuffered memory	✓	Motherboard form factor *	micro ATX
Maximum internal memory per slot	64 GB	Motherboard chipset family *	AMD
Storage controllers		Cooling type	Passive
Supported storage drive types	HDD & SSD	Power source type	ATX
Supported storage drive interfaces *	M.2, PCI Express 4.0, SATA III	Windows operating systems supported	Windows 10 x64, Windows 11 x64
Number of HDDs supported	4	Expansion slots	
Number of storage drives supported	6	PCI Express x16 (Gen 3.x) slots	1
RAID support	✓	PCI Express x16 (Gen 4.x) slots	1
RAID levels	0, 1, 10	Number of M.2 (M) slots	2
Graphics		1st M.2 largest key size	2580
Parallel processing technology support *	Not supported	1st M.2 highest PCI Express generation	4.0
Maximum resolution	4096 x 2160 pixels	2nd M.2 largest key size	2280
HDCP	✓	2nd M.2 highest PCI Express generation	3.0
DirectX version	12.0		
Internal I/O			
USB 2.0 connectors *	2		

Internal I/O		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	2	Logistics data	
Number of chassis fan connectors	1	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
Number of water pump connectors	1	Number of battery cells	1
RGB LED pin header	✓	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
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	1.03 kg
HDMI ports quantity *	1	Weight & dimensions	
HDMI version	2.1	Width	244 mm
Headphone outputs	1	Depth	244 mm
Line-in	✓	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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Catalog Object Cloud



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