

## GIGABYTE B840M DS3H WIFI6 Motherboard - AMD Ryzen 9000 CPUs, 8+2+2 Phases VRM, up to 8200MHz DDR5, 2xPCIe 4.0 M.2, Wi-Fi 6, 2.5GbE LAN, USB 3.2 Gen 1

Brand : GIGABYTE

Product code: B840M DS3H WF6

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Processor		Network	
Processor manufacturer *	AMD	Ethernet LAN	✓
Processor socket *	Socket AM5	Ethernet interface type	2.5 Gigabit Ethernet
Compatible processor series *	AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series	LAN controller	Realtek RTL8125
Supported processor sockets	Socket AM5	Wi-Fi *	✓
<b>Memory</b>		Top Wi-Fi standard	Wi-Fi 6 (802.11ax)
Supported memory types *	DDR5-SDRAM	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)
Number of memory slots *	4	WLAN controller model	Realtek RTL8851BE
Memory slots type	DIMM	Bluetooth	✓
Memory channels	Dual-channel	Bluetooth version	5.3
ECC compatibility	Non-ECC		
Supported memory clock speeds	8200,8000,7950,7900,7800,7600,7400,7200,7000,6800,6666,6600,6400,6200,6000,5600,5200,4800,4400 MHz		
Supported memory clock speed (max)	8200 MHz		
Maximum internal memory *	256 GB		
Unbuffered memory	✓		
Maximum internal memory per slot	64 GB		
Storage controllers		Features	
Supported storage drive types	HDD & SSD	Motherboard chipset *	AMD B840
Supported storage drive interfaces *	M.2, PCI Express 4.0, SATA III	Audio chip	Realtek ALC897
Number of HDDs supported	4	Audio output channels *	7.1 channels
Number of storage drives supported	6	Product colour	Dark brown
RAID support	✓	PC health monitoring	Fan, Temperature, Voltage, Water cooling
RAID levels	0, 1, 5, 10	Component for *	PC
<b>Graphics</b>		Motherboard form factor *	micro ATX
Parallel processing technology support *	Not supported	Motherboard chipset family *	AMD
Maximum resolution	4096 x 2160 pixels	Cooling type	Passive
HDCP	✓	Power source type	ATX
DirectX version	12.0	Windows operating systems supported	Windows 10 x64, Windows 11 x64
Internal I/O		Expansion slots	
USB 2.0 connectors *	2	PCI Express x16 (Gen 3.x) slots	1
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	PCI Express x16 (Gen 4.x) slots	1
Number of SATA III connectors *	4	Number of M.2 (M) slots	2
Front panel audio connector	✓	1st M.2 largest key size	2580
		1st M.2 highest PCI Express generation	4.0
		2nd M.2 largest key size	25110

<b>Internal I/O</b>		<b>Expansion slots</b>	
Front panel connector	✓	2nd M.2 highest PCI Express generation	4.0
ATX Power connector (24-pin)	✓		
CPU fan connector	✓		
Number of CPU fan connectors	2	BIOS type *	UEFI AMI
Number of chassis fan connectors	2	BIOS memory size	256 Mbit
EPS power connector (8-pin)	✓	ACPI version	5.0
Number of EPS power connectors (8-pin)	1	Clear CMOS jumper	✓
TPM connector	✓	Desktop Management Interface (DMI) version	2.7
Number of water pump connectors	2	System Management BIOS (SMBIOS) version	2.7
RGB LED pin header	✓		
Number of RGB LED pin headers	3		
<b>Rear panel I/O ports</b>		<b>Logistics data</b>	
USB 2.0 ports quantity *	4	Country of origin	China
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Products per shipping (inner) case	1 pc(s)
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1	<b>Battery</b>	
Ethernet LAN (RJ-45) ports *	1	Battery weight	3 g
PS/2 ports quantity	1	Lithium weight per battery	0.07 g
HDMI ports quantity *	1	Number of battery cells	1
HDMI version	2.1	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
DisplayPorts quantity	2	Battery type	CR2032
DisplayPort version	1.4	<b>Packaging data</b>	
Headphone outputs	1	Package width	270 mm
Line-in	✓	Package depth	268 mm
Microphone in	✓	Package height	68 mm
WiFi-AP antenna jack	2	Package weight	1.23 kg
<b>Weight &amp; dimensions</b>		<b>Weight &amp; dimensions</b>	
		Width	244 mm
		Depth	244 mm
		Height	35 mm
<b>Packaging content</b>		<b>Packaging content</b>	
		Batteries included	✓
		Antenna included	✓
		Screws included	✓
		Bundled software	Norton® Internet Security (OEM version)
<b>Other features</b>		<b>Other features</b>	
		Weight	1.13 kg
<b>Technical details</b>		<b>Technical details</b>	
		Warranty period	3 year(s)



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### Catalog Object Cloud



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