

## GIGABYTE B650M DS3H Motherboard - Supports AMD Ryzen 8000 CPUs, 6+2+1 Phases Digital VRM, up to 8000MHz DDR5, 2xPCIe 4.0 M.2, 2.5GbE LAN , USB 3.2 Gen 2

**Brand :** GIGABYTE

**Product code:** B650M DS3H

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Micro ATX, Socket AM5, AMD B650 chipset, 4x DDR5 DIMM, AMI UEFI BIOS

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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	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
Processor socket *	Socket AM5	Ethernet LAN (RJ-45) ports *	1
Compatible processor series *	AMD Ryzen™ 5, AMD Ryzen 7 7th Gen, AMD Ryzen 9 7th Gen	PS/2 ports quantity	1
Supported processor sockets	Socket AM5	HDMI ports quantity *	1
Maximum internal memory supported by processor	192 GB	HDMI version	2.1
<b>Memory</b>		DisplayPorts quantity	2
Supported memory types *	DDR5-SDRAM	DisplayPort version	1.4
Number of memory slots *	4	Headphone outputs	3
Memory slots type	DIMM	Microphone in	✓
Memory channels	Dual-channel	USB connector type	USB Type-A, USB Type-C
Non-ECC	✓	<b>Network</b>	
Supported memory clock speeds	4800,5200,5600,6000,6200,6400,6800,7000,7200,7600,7800,8000 MHz	Ethernet LAN	✓
Supported memory clock speed (max)	8000 MHz	Ethernet interface type	2.5 Gigabit Ethernet
Maximum internal memory *	192 GB	Wi-Fi *	✗
Supported memory module capacities	1GB, 2GB, 4GB, 8GB, 12GB, 16GB, 32GB, 48GB	<b>Features</b>	
Unbuffered memory	✓	Motherboard chipset *	AMD B650
<b>Storage controllers</b>		Audio output channels *	7.1 channels
Supported storage drive types	HDD & SSD	Product colour	Brown
Supported storage drive interfaces *	M.2, PCI Express 4.0, SATA III	PC health monitoring	Fan, Temperature, Voltage
Number of HDDs supported	4	Component for *	PC
Number of storage drives supported	6	Motherboard form factor *	micro ATX
RAID support	✓	Motherboard chipset family *	AMD
RAID levels	0, 1, 10	Windows operating systems supported	Windows 10 x64, Windows 11 x64
<b>Graphics</b>		<b>Expansion slots</b>	
Parallel processing technology support *	Not supported	PCI Express x1 slots	1
Maximum resolution	4096 x 2160 pixels	PCI Express x16 slots	1
HDCP	✓	Number of M.2 (M) slots	2
DirectX version	12.0	<b>BIOS</b>	
Number of displays supported	3	BIOS type *	UEFI AMI

<b>Internal I/O</b>		<b>BIOS</b>	
USB 2.0 connectors *	2	BIOS memory size	256 Mbit
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	ACPI version	5.0
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	Clear CMOS jumper	✓
Number of SATA III connectors *	4	Desktop Management Interface (DMI) version	2.7
Number of SATA Express connectors	4	System Management BIOS (SMBIOS) version	2.7
Front panel audio connector	✓	<b>Logistics data</b>	
Front panel connector	✓	Country of origin	China
ATX Power connector (24-pin)	✓	Products per shipping (inner) case	1 pc(s)
CPU fan connector	✓	<b>Battery</b>	
EPS power connector (8-pin)	✓	Battery weight	3 g
TPM connector	✓	Lithium weight per battery	0.07 g
Serial port headers	1	Number of battery cells	1
12V power connector	✓	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
RGB LED pin header	✓	Battery type	CR2032
<b>Rear panel I/O ports</b>		<b>Packaging data</b>	
USB 2.0 ports quantity *	4	Package width	270 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Package depth	268 mm
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	1	Package height	68 mm
		Package weight	1.66 kg
		<b>Weight &amp; dimensions</b>	
		Width	244 mm
		Depth	244 mm
		Height	35 mm
		<b>Packaging content</b>	
		Cables included	SATA
		Batteries included	✓
		<b>Technical details</b>	
		Warranty period	3 year(s)



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