



GIGABYTE B650M S2H Motherboard - Supports AMD Ryzen 8000 CPUs, 5+2+2 Phases Digital VRM, up to 6400MHz DDR5, 1xPCIe 4.0 M.2, GbE LAN, USB 3.2 Gen 1

Brand : GIGABYTE

Product code: B650M S2H

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- AMD Socket AM5: Supports AMD Ryzen™ 7000 Series Processors
 - Unparalleled Performance: 5+2+2 Phases Digital VRM Solution
 - Dual Channel DDR5: 2*SMD DIMMs with AMD EXPO™ & Intel® XMP Memory Module Support
 - SuperSpeed Storage: PCIe 4.0 x4 M.2 Connector
 - EZ-Latch: PCIe x16 Slot with Quick Release Design
 - Fast Networks: GbE LAN
 - Extended Connectivity: DP, HDMI, D-Sub
 - Smart Fan 6: Features Multiple Temperature Sensors, Hybrid Fan Headers with FAN STOP
 - Q-Flash Plus: Update BIOS Without Installing the CPU, Memory and Graphics Card
- Micro ATX, Socket AM5, AMD B650 chipset, 2x DDR5 DIMM, 7.1ch audio, 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	HDMI ports quantity *	1
Processor socket *	Socket AM5	HDMI version	2.1
Compatible processor series *	AMD Ryzen 5 7th Gen, AMD Ryzen 7 7th Gen, AMD Ryzen 9 7th Gen	DisplayPorts quantity	1
Supported processor sockets	Socket AM5	DisplayPort version	1.4
Maximum internal memory supported by processor	96 GB	Headphone outputs	3
		Microphone in	✓
		USB connector type	USB Type-A
Memory		Network	
Supported memory types *	DDR5-SDRAM	Ethernet LAN	✓
Number of memory slots *	2	Ethernet interface type	Gigabit Ethernet
Memory slots type	DIMM	Wi-Fi *	✗
Memory channels	Dual-channel	Features	
Non-ECC	✓	Motherboard chipset *	AMD B650
Supported memory clock speeds	4400,4800,5200,5600,6000,6200,6400 MHz	Audio output channels *	7.1 channels
Supported memory clock speed (max)	6200 MHz	Product colour	Brown
Maximum internal memory *	96 GB	PC health monitoring	Fan, Temperature, Voltage, Water cooling
Unbuffered memory	✓	Component for *	PC
Storage controllers		Motherboard form factor *	micro ATX
Supported storage drive types	HDD & SSD	Motherboard chipset family *	AMD
Supported storage drive interfaces *	M.2, SATA III	Windows operating systems supported	Windows 10 x64, Windows 11 x64
Number of HDDs supported	4	Expansion slots	
Number of storage drives supported	5	PCI Express x1 slots	1
RAID support	✓	PCI Express x16 slots	1
RAID levels	0, 1, 10	Number of M.2 (M) slots	1
Graphics		BIOS	
Parallel processing technology support *	Not supported	BIOS type *	UEFI AMI
Maximum resolution	4096 x 2160 pixels	BIOS memory size	256 Mbit
HDCP	✓	ACPI version	5.0

Graphics		BIOS	
DirectX version	12.0	Clear CMOS jumper	✓
Number of displays supported	3	Desktop Management Interface (DMI) version	2.7
Internal I/O		System Management BIOS (SMBIOS) version	2.7
USB 2.0 connectors *	2	Logistics data	
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	Country of origin	China
Number of SATA III connectors *	4	Products per shipping (inner) case	1 pc(s)
Total number of SATA connectors	4	Battery	
Front panel audio connector	✓	Battery weight	3 g
Front panel connector	✓	Lithium weight per battery	0.07 g
ATX Power connector (24-pin)	✓	Number of battery cells	1
CPU fan connector	✓	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
EPS power connector (8-pin)	✓	Battery type	CR2032
TPM connector	✓	Packaging data	
12V power connector	✓	Package width	265 mm
RGB LED pin header	✓	Package depth	265 mm
Rear panel I/O ports		Package height	54 mm
USB 2.0 ports quantity *	4	Package weight	917 g
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Weight & dimensions	
Ethernet LAN (RJ-45) ports *	1	Width	230 mm
PS/2 ports quantity	1	Depth	225 mm
VGA (D-Sub) ports quantity *	1	Height	35 mm
		Packaging content	
		Cables included	SATA
		Batteries included	✓
		Bundled software	Norton Internet Security
		Technical details	
		Warranty period	3 year(s)



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