

GIGABYTE B650M S2H Motherboard - AMD Ryzen 9000 Series CPUs, 5+2+2 Phases VRM, up to 6400MHz DDR5 (OC), 1xPCIe 4.0 M.2, GbE LAN, USB 3.2 Gen 1



Brand : GIGABYTE

Product code: B650M S2H

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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	DisplayPort version	1.4
Processor socket *	Socket AM5	Headphone outputs	1
Compatible processor series *	AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series	Line-in	✓
Supported processor sockets	Socket AM5	Microphone in	✓
Memory		Network	
Supported memory types *	DDR5-SDRAM	Ethernet LAN	✓
Number of memory slots *	2	Ethernet interface type	Gigabit Ethernet
Memory slots type	DIMM	LAN controller	Realtek RTL8111H
Memory channels	Dual-channel	Wi-Fi *	✗
ECC compatibility	Non-ECC	Features	
Supported memory clock speeds	4400,4800,5200,5600,6000,6200,6400 MHz	Motherboard chipset *	AMD B650
Supported memory clock speed (max)	6400 MHz	Audio chip	Realtek ALC897
Maximum internal memory *	128 GB	Audio output channels *	7.1 channels
Unbuffered memory	✓	Product colour	Brown
Maximum internal memory per slot	64 GB	PC health monitoring	Fan, Temperature, Voltage
Storage controllers		Component for *	PC
Supported storage drive types	HDD & SSD	Motherboard form factor *	micro ATX
Supported storage drive interfaces *	M.2, SATA III	Motherboard chipset family *	AMD
Number of HDDs supported	4	Cooling type	Passive
Number of storage drives supported	5	Power source type	ATX
RAID support	✓	Windows operating systems supported	Windows 10 x64, Windows 11 x64
RAID levels	0, 1, 10	Expansion slots	
Graphics		PCI Express x1 (Gen 3.x) slots	1
Parallel processing technology support *	Not supported	PCI Express x16 (Gen 4.x) slots	1
Maximum resolution	4096 x 2160 pixels	Number of M.2 (M) slots	1
HDCP	✓	1st M.2 largest key size	2580
		1st M.2 highest PCI Express generation	4.0

Graphics		BIOS	
DirectX version	12.0	BIOS type *	UEFI AMI
Discrete graphics support	✓	BIOS memory size	256 Mbit
Internal I/O		ACPI version	5.0
USB 2.0 connectors *	2	Clear CMOS jumper	✓
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	Desktop Management Interface (DMI) version	2.7
Number of SATA III connectors *	4	System Management BIOS (SMBIOS) version	2.7
Front panel audio connector	✓	Logistics data	
Front panel connector	✓	Country of origin	China
ATX Power connector (24-pin)	✓	Products per shipping (inner) case	1 pc(s)
CPU fan connector	✓	Battery	
Number of CPU fan connectors	1	Battery weight	3 g
Number of chassis fan connectors	2	Lithium weight per battery	0.07 g
EPS power connector (8-pin)	✓	Number of battery cells	1
Number of EPS power connectors (8-pin)	1	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
TPM connector	✓	Battery type	CR2032
12V power connector	✓	Packaging data	
RGB LED pin header	✓	Package width	265 mm
Number of RGB LED pin headers	2	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
HDMI ports quantity *	1	Packaging content	
HDMI version	2.1	Batteries included	✓
DisplayPorts quantity	1	Screws included	✓
		Bundled software	Norton® Internet Security (OEM version) LAN bandwidth management software
		Technical details	
		Warranty period	3 year(s)



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