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GIGABYTE H810M S2H GEN5 Motherboard - Intel Core Ultra (Series 2) CPUs, 4+1+2 Phases VRM, up to 6400MHz DDR5, 1xPCIe 4.0 M.2, 1GbE LAN, USB 3.2 Gen 1

Brand : GIGABYTE

Product code: H810M S2H GEN5

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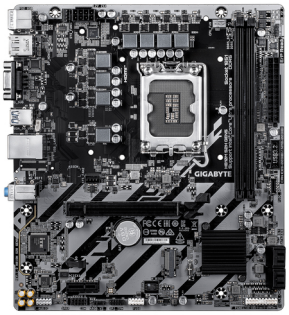

- PCIe Gen5 Performance
- Supports Intel Core Ultra processors (Series 2)
- Hybrid 4+1+2 phases VRM solution
- EZ-Latch: PCIe 5.0 x16 Slot with Quick Release Design
- Friendly UI: Multi-Theme and Q-Flash Auto Scan in BIOS and SW
- Next Generation Storage: PCIe 4.0 x4 M.2 Connectors
- Fast Networking: GbE LAN
- Extended Connectvity: DisplayPort, HDMI, D-Sub

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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	
Processor manufacturer *	Intel
Processor socket *	LGA 1851 (Socket V1)
Compatible processor series *	Intel Core Ultra (Series 2)
Supported processor sockets	LGA 1851

Memory	
Supported memory types *	DDR5-SDRAM
Number of memory slots *	2
Memory slots type	DIMM
Memory channels	Dual-channel
ECC compatibility	ECC & Non-ECC
Supported memory clock speeds	5600,6400 MHz
Supported memory clock speed (max)	6400 MHz
Maximum internal memory *	128 GB
Unbuffered memory	✔
Maximum internal memory per slot	64 GB

Storage controllers	
Supported storage drive types	HDD & SSD
Supported storage drive interfaces *	M.2, PCI Express 4.0, SATA III
Number of HDDs supported	4
Number of storage drives supported	5

Graphics	
Parallel processing technology support *	Not supported
Maximum resolution	4096 x 2160 pixels
HDCP	✔
HDCP version	2.3
DirectX version	12.0

Rear panel I/O ports	
Line-in	✔
Microphone in	✔

Network	
Ethernet LAN	✔
Ethernet interface type	Gigabit Ethernet
LAN controller	Realtek RTL8111H
Wi-Fi *	✘

Features	
Motherboard chipset *	Intel H810
Audio chip	Realtek ALC897
Audio output channels *	7.1 channels
Product colour	Dark brown
PC health monitoring	Fan, Temperature, Voltage, Water cooling
Component for *	PC
Motherboard form factor *	micro ATX
Motherboard chipset family *	Intel
Cooling type	Passive
Power source type	ATX
Windows operating systems supported	Windows 10 x64, Windows 11 x64

Expansion slots	
PCI Express x1 (Gen 3.x) slots	1
PCI Express x16 (Gen 5.x) slots	1
Number of M.2 (M) slots	1
1st M.2 largest key size	2280
1st M.2 highest PCI Express generation	4.0

Internal I/O	
USB 2.0 connectors *	1
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2
Number of SATA III connectors *	4
Front panel audio connector	✔
Front panel connector	✔
ATX Power connector (24-pin)	✔
CPU fan connector	✔
Number of CPU fan connectors	1
Number of chassis fan connectors	2
EPS power connector (8-pin)	✔
Number of EPS power connectors (8-pin)	1
TPM connector	✔
Serial port headers	1
RGB LED pin header	✔
Number of RGB LED pin headers	2

Rear panel I/O ports	
USB 2.0 ports quantity *	5
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Ethernet LAN (RJ-45) ports *	1
PS/2 ports quantity	1
VGA (D-Sub) ports quantity *	1
HDMI ports quantity *	1
HDMI version	2.1
DisplayPorts quantity	1
DisplayPort version	2.1
Headphone outputs	1

BIOS	
BIOS type *	UEFI AMI
BIOS memory size	256 Mbit
ACPI version	5.0
Clear CMOS jumper	✔
Desktop Management Interface (DMI) version	2.7
System Management BIOS (SMBIOS) version	2.7

Logistics data	
Country of origin	China
Products per shipping (inner) case	1 pc(s)

Battery	
Battery weight	3 g
Lithium weight per battery	0.07 g
Number of battery cells	1
Battery capacity	220 mAh
Battery technology	Lithium-Manganese Dioxide (LiMnO2)
Battery type	CR2032

Packaging data	
Package width	265 mm
Package depth	265 mm
Package height	54 mm
Package weight	872.4 g

Weight & dimensions	
Width	244 mm
Depth	215 mm
Height	35 mm

Packaging content	
Batteries included	✔
Screws included	✔
Bundled software	Norton® Internet Security (OEM version)

Other features	
Weight	790 g

Technical details	
Warranty period	3 year(s)

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Catalog Object Cloud

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