GIGABYTE

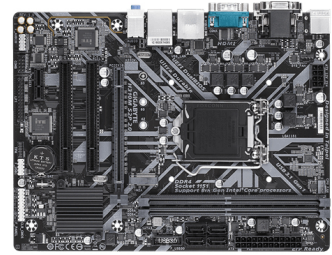# Gigabyte H310M S2P 2.0 motherboard Intel H310 Express LGA 1151 (Socket H4) micro ATX

Brand : Gigabyte

Product name : H310M S2P 2.0
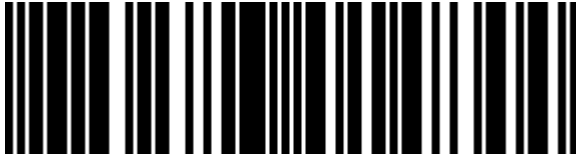
Product code: H310M S2P 2.0

- Supports 9th and 8th Gen Intel® Core™ Processors
- Dual Channel Non-ECC Unbuffered DDR4
- 8-Channel HD Audio with High Quality Audio Capacitors
- Ultra-Fast M.2 with PCIe Gen2 X2 & SATA interface
- GIGABYTE Exclusive 8118 Gaming LAN with Bandwidth Management
- HDMI 1.4, DVI-D, D-Sub Ports for Multiple Display
- CEC 2019 Ready, Save Power With a Simple Click
- Smart Fan 5 features Multiple Temperature Sensors and Hybrid Fan Headers with FAN STOP
- All new GIGABYTE™ APP Center, simple and easy use
- Anti-Sulfur Resistors Design
Intel H310 Express, LGA1151, 2 x DDR4 DIMM, ECC, non-ECC, XMP, 1 x D-Sub, 1 x DVI-D, 1 x HDMI, Realtek ALC887, 7.1, GbE LAN, M.2, USB 3.1 Gen 1, PS/2, Micro ATX, 244mm x 18.5mm

Processor

Processor manufacturer *	Intel
Processor socket *	LGA 1151 (Socket H4)
Compatible processor series *	Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9
Maximum number of SMP processors	1

Memory

Supported memory types *	DDR4-SDRAM
Number of memory slots *	2
Memory slots type	DIMM
Memory channels	Dual-channel
ECC	✔
Non-ECC	✔
Supported memory clock speeds	2133,2400,2666 MHz
Maximum internal memory *	32 GB
Unbuffered memory	✔

Storage controllers

Supported storage drive types	HDD & SSD
Supported storage drive interfaces *	M.2, SATA
Number of HDDs supported	6

Graphics

Maximum resolution	4096 x 2160 pixels
HDCP	✔
Number of displays supported	3

Internal I/O

USB 2.0 connectors *	1
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1
Number of SATA III connectors *	4
Number of Parallel ATA connectors	1
Front panel audio connector	✔
Front panel connector	✔
ATX Power connector (24-pin)	✔
CPU fan connector	✔
Number of chassis fan connectors	1
EPS power connector (8-pin)	✔
TPM connector	✔

Rear panel I/O ports

PS/2 ports quantity	1
VGA (D-Sub) ports quantity *	1
HDMI ports quantity *	1
HDMI version	1.4
DVI-D ports quantity *	1
Headphone outputs	1
Microphone in	✔
Serial ports quantity	1

Network

Ethernet LAN	✔
Ethernet interface type	Gigabit Ethernet
LAN controller	Realtek RTL8118AS

Features

Motherboard chipset *	Intel H310 Express
Audio chip	Realtek ALC887
Audio output channels *	7.1 channels
PC health monitoring	CPU, Fan, Temperature
Component for *	PC
Motherboard form factor *	micro ATX
Motherboard chipset family *	Intel
Cooling type	Active
Power source type	ATX
Number of mounting holes	6

Expansion slots

PCI Express x1 slots	1
PCI Express x16 slots	1
PCI slots	2
Number of M.2 (M) slots	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

Internal I/O		**Weight & dimensions**	
12V power connector	✓	Width	244 mm
Rear panel I/O ports		Depth	185 mm
USB 2.0 ports quantity *	4	**Packaging content**	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Bundled software	Norton® Internet Security (OEM version) Realtek® 8118 Gaming LAN Bandwidth Control Utility
Ethernet LAN (RJ-45) ports *	1	**Other features**	
		Analog audio output	1
		BIOS switch button	✓
		DualBIOS	✓

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