ASUS ROG STRIX Z790-H GAMING WIFI Intel Z790 LGA 1700 ATX

Brand : ASUS **Product code:** 90MB1E10-M0EAY0

Product name : ROG STRIX Z790-H GAMING WIFI

- AI OVERCLOCKING Effortless performance boost
- AI COOLING II One-click fan tuning
- PCIe 5.0
- EXTENSIVE GEN 5 x1 PCIe 5.0 x16 slot
- USB 3.2 GEN 2X2x1 I/O port, and x1 connector
- ROBUST POWER SOLUTION
- 7800+ MT/s, AEMP II, XMP
- WIFI 6E
- DIY-FRIENDLY DESIGN

Intel® Z790 Chipset, Intel® Turbo Boost Technology 2.0 and Intel® Turbo Boost Max Technology 3.0, Socket LGA1700 for 13th Gen Intel® Core™ & 12th Gen Intel® Core™, Pentium® Gold and Celeron® Processors, 4 x DIMM, Max. 128GB, DDR5, 4 x M.2 slots and 4 x SATA 6Gb/s ports, 2.5Gb Ethernet, Wi-Fi 6E, Bluetooth® v5.3, High Definition Audio, ATX

Processor	
Processor manufacturer *	Intel
Processor socket *	LGA 1700
Compatible processor series *	Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel® Pentium® Gold
Maximum number of SMP processors	1

Memory	
Supported memory types *	DDR5-SDRAM
Number of memory slots *	4
Memory slots type	DIMM
Memory channels	Dual-channel
ECC compatibility	Non-ECC
Supported memory clock speeds	4800,5000,5200,5400,5600,5800,6000,6200,6400,6600,6800,7000,7200,7400,7600,7800 MHz
Maximum internal memory *	128 GB
Unbuffered memory	✔

Storage controllers	
Supported storage drive types	HDD & SSD
Supported storage drive interfaces *	M.2, SATA
Number of HDDs supported	4
Number of storage drives supported	4
RAID support	✔
RAID levels	0, 1, 5, 10

Graphics	
On-board graphics card	✘

Internal I/O	
USB 2.0 connectors *	2
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1
Number of SATA connectors	4
Audio connector	✔
Front panel audio connector	✔
ATX Power connector (24-pin)	✔
Power fan connector	✔
CPU fan connector	✔
Number of chassis fan connectors	5

Rear panel I/O ports	
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
USB 3.2 Gen 2x2 Type-C ports quantity	1
Ethernet LAN (RJ-45) ports *	1
HDMI ports quantity *	1
HDMI version	2.0
DisplayPorts quantity	1
DisplayPort version	1.4
S/PDIF out port	✔
Digital audio optical out	5
COM ports quantity	1
WiFi-AP antenna jack	1
USB connector type	USB Type-A

Network	
Ethernet LAN	✔
Ethernet interface type	2.5 Gigabit Ethernet
Wi-Fi *	✔
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax), Wi-Fi 6E (802.11ax)
Bluetooth	✔
Bluetooth version	5.3

Features	
Motherboard chipset *	Intel Z790
Audio chip	Realtek ALC S1220A
Audio output channels *	7.1 channels
Component for *	PC
Motherboard form factor *	ATX
Motherboard chipset family *	Intel
Power source type	ATX
Windows operating systems supported	Windows 10, Windows 11
Compatible operating systems	Windows® 11, Windows® 10 64-bit

Internal I/O	
EPS power connector (8-pin)	✔
Thunderbolt headers	1
12V power connector	✔
RGB LED pin header	✔

Rear panel I/O ports	
USB 2.0 ports quantity *	2
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2

Expansion slots	
PCI Express x1 (Gen 3.x) slots	1
PCI Express x16 (Gen 4.x) slots	1
PCI Express x16 (Gen 5.x) slots	1
Number of M.2 (M) slots	4

BIOS	
BIOS type *	UEFI AMI
BIOS memory size	256 Mbit

Weight & dimensions	
Width	305 mm
Depth	244 mm

Packaging content	
Cables included	SATA

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