ASUS ROG MAXIMUS Z790 HERO Intel Z790 LGA 1700 ATX

Brand : ASUS

Product name : ROG MAXIMUS Z790 HERO

Product code: 90MB1CI0-M0EAY0

Intel® Z790 LGA 1700 ATX motherboard with 20+1 power stages, DDR5, five M.2 slots, PCIe® 5.0 NVMe® SSD slot on Hyper M.2 card, PCIe 5.0 x16 SafeSlots with Q-Release, Wi-Fi Fi 6E, Thunderbolt™ 4 ports, USB 3.2 Gen 2x2 front panel connector with Quick Charge 4+ up to 60W, AI Overclocking, AI Cooling II and Aura Sync RGB lighting

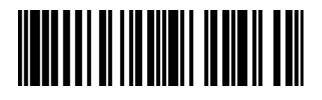## Processor

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
Supported processor sockets	LGA 1700

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
Supported memory clock speed (max)	7800 MHz
Maximum internal memory *	192 GB
Unbuffered memory	✓

Storage controllers

Supported storage drive types	HDD & SSD
Supported storage drive interfaces *	M.2, SATA III
RAID support	✓
RAID levels	0, 1, 5, 10

Graphics

Parallel processing technology support *	Not supported
On-board graphics card	✖

Internal I/O

USB 2.0 connectors *	2
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2
USB 3.2 Gen 2x2 connectors	1
Number of SATA III connectors *	6
Front panel audio connector	✓
ATX Power connector (24-pin)	✓
CPU fan connector	✓
Number of chassis fan connectors	4
EPS power connector (8-pin)	✓
12V power connector	✓
RGB LED pin header	✓

Rear panel I/O ports

HDMI ports quantity *	1
HDMI version	2.1
Headphone outputs	1
Line-in	✓
Microphone in	✓
S/PDIF out port	✓
Thunderbolt ports quantity	2
WiFi-AP antenna jack	2

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 ALC4082
Audio output channels *	7.1 channels
Product colour	Black
Component for *	PC
Motherboard form factor *	ATX
Motherboard chipset family *	Intel
Power source type	ATX
Windows operating systems supported	Windows 10, Windows 11

Expansion slots

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

BIOS

BIOS type *	UEFI AMI
BIOS memory size	256 Mbit
Clear CMOS button	✓

Rear panel I/O ports			**Packaging data**	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4		Package width	370 mm
			Package depth	312 mm
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	5		Package height	108 mm
			Package weight	4.56 kg
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1		**Weight & dimensions**	
			Width	305 mm
Ethernet LAN (RJ-45) ports *	1		Depth	244 mm
			Packaging content	
			Cables included	SATA
			Drivers included	✔
			Other features	
			Back-to-BIOS button	✔

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