ASUS ROG MAXIMUS Z790 HERO EVA-02 EDITION Intel Z790 LGA 1700 ATX

Brand : ASUS

Product code: 90MB1FL0-M0EAY0

Product name : ROG MAXIMUS Z790 HERO EVA-02 EDITION

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 6E, two Thunderbolt™ 4 ports, USB 20Gbps Type-C® 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
Number of HDDs supported	6
Number of storage drives supported	11
RAID support	✔
RAID levels	0, 1, 5, 10

Internal I/O

USB 2.0 connectors *	2
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1
Number of SATA III connectors *	6
Front panel audio connector	✔

Rear panel I/O ports

Ethernet LAN (RJ-45) ports *	1
HDMI ports quantity *	1
HDMI version	2.1
S/PDIF out port	✔
Thunderbolt ports quantity	2

Network

Ethernet LAN	✔
Ethernet interface type	2.5 Gigabit Ethernet
Wake-on-LAN ready	✔
Wi-Fi *	✔
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Wi-Fi standards	802.11a, 802.11b, 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, Red
Component for *	PC
Motherboard form factor *	ATX
Motherboard chipset family *	Intel
Cooling type	Passive
Power source type	ATX
Windows operating systems supported	Windows 10 x64, Windows 11

Internal I/O

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

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 *	5
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1

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	✔

Packaging data

Package width	370 mm
Package depth	312 mm
Package height	108 mm
Package weight	4.56 kg

Weight & dimensions

Width	305 mm
Depth	244 mm

Packaging content

Cables included	SATA
User guide	✔
Drivers included	✔

Other features

Back-to-BIOS button	✔

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