ASUS ROG MAXIMUS Z890 HERO Intel Z890 LGA 1851 (Socket V1) ATX

Brand : ASUS

Product code: 90MB1ID0-M0EAY0

Product name : ROG MAXIMUS Z890 HERO

Intel Z890, LGA1851, 4 x DIMM slots, max. 192GB, DDR5, Realtek 5Gb, Wi-Fi 7, Bluetooth 5.4, ATX, 256 Mb Flash ROM, UEFI AMI BIOS

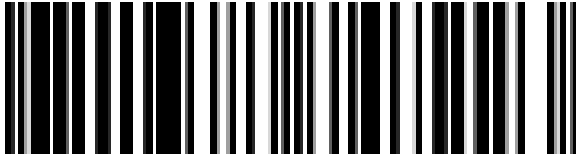ASUS ROG MAXIMUS Z890 HERO Intel Z890 LGA 1851 (Socket V1) ATX:

ROG Maximus Z890 HERO
The ROG Maximus Z890 Hero unleashes the performance of Intel® Core™ Ultra processors (Series 2) via exclusive AI PC technologies, robust power delivery, optimized thermal management, extensive PCIe® 5.0 support, DDR5 slots and WiFi 7. Meanwhile, angular design elements and Polymo II Lighting accents around the ROG logo deliver a signature aesthetic that elevates system design.

Processor

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

Memory

Supported memory types *	DDR5-SDRAM
Number of memory slots *	4
Memory slots type	DIMM
Memory channels	Dual-channel
Non-ECC	✔
Supported memory clock speed (max)	8800 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	4
Number of storage drives supported	10
RAID support	✔
RAID levels	0, 1, 5

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 2 (3.1 Gen 2) connectors *	1
USB 3.2 Gen 2x2 connectors	1
Number of SATA III connectors *	4

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 *	4
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
Ethernet LAN (RJ-45) ports *	2
HDMI ports quantity *	1
Microphone in	✔
S/PDIF out port	✔
Thunderbolt ports quantity	2
USB connector type	USB Type-A, USB Type-C

Network

Ethernet LAN	✔
Ethernet interface type	2.5 Gigabit Ethernet, 5 Gigabit Ethernet
Wi-Fi *	✔
Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Bluetooth	✔
Bluetooth version	5.4

Features

Motherboard chipset *	Intel Z890
Audio chip	Realtek ALC4082
Audio output channels *	7.1 channels
Product colour	Black
Component for *	PC
Motherboard form factor *	ATX
Motherboard chipset family *	Intel
Windows operating systems supported	Windows 11

Expansion slots

PCI Express x1 (Gen 4.x) slots	1
PCI Express x16 (Gen 4.x) slots	1

Internal I/O

Front panel audio connector	✔
ATX Power connector (24-pin)	✔
CPU fan connector	✔
Number of chassis fan connectors	4
EPS power connector (8-pin)	✔
Thunderbolt headers	1
12V power connector	✔

Expansion slots

PCI Express x16 (Gen 5.x) slots	1
Number of M.2 (M) slots	6

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

Weight & dimensions

Width	305 mm
Depth	244 mm

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