

ASUS ROG MAXIMUS Z790 HERO Intel Z790 LGA 1700 ATX

Brand : ASUS

Product code: 90MB1C10-M0EAY0

Product name : ROG MAXIMUS Z790 HERO

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, 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		Rear panel I/O ports	
Processor manufacturer *	Intel	HDMI ports quantity *	1
Processor socket *	LGA 1700	HDMI version	2.1
Compatible processor series *	Intel® Celeron®, Intel® Core™ i3,	Headphone outputs	1
	Intel® Core™ i5, Intel® Core™ i7,	Line-in	✓
Supported processor sockets	Intel® Core™ i9, Intel® Pentium®	Microphone in	✓
	Gold	S/PDIF out port	✓
Memory	LGA 1700	Thunderbolt ports quantity	2
		WiFi-AP antenna jack	2
Supported memory types *	DDR5-SDRAM	Network	
Number of memory slots *	4	Ethernet LAN	✓
Memory slots type	DIMM	Ethernet interface type	2.5 Gigabit Ethernet
Memory channels	Dual-channel	Wi-Fi *	✓
ECC compatibility	Non-ECC	Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Supported memory clock speeds	4800,5000,5200,5400,5600,5800,6000,6200,6400,6600,6800,7000,7200,7400,7600,7800	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)
Supported memory clock speed (max)	7800 MHz	Bluetooth	✓
Maximum internal memory *	192 GB	Bluetooth version	5.3
Unbuffered memory	✓	Features	
Storage controllers		Motherboard chipset *	Intel Z790
Supported storage drive types	HDD & SSD	Audio chip	Realtek ALC4082
Supported storage drive interfaces *	M.2, SATA III	Audio output channels *	7.1 channels
RAID support	✓	Product colour	Black
RAID levels	0, 1, 5, 10	Component for *	PC
Graphics		Motherboard form factor *	ATX
Parallel processing technology support *	Not supported	Motherboard chipset family *	Intel
On-board graphics card	✗	Power source type	ATX
Internal I/O		Windows operating systems supported	Windows 10, Windows 11
USB 2.0 connectors *	2	Expansion slots	
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	PCI Express x16 (Gen 4.x) slots	1
USB 3.2 Gen 2x2 connectors	1	PCI Express x16 (Gen 5.x) slots	2
Number of SATA III connectors *	6	Number of M.2 (M) slots	5
Front panel audio connector	✓	BIOS	
ATX Power connector (24-pin)	✓	BIOS type *	UEFI AMI
CPU fan connector	✓	BIOS memory size	256 Mbit
Number of chassis fan connectors	4	Clear CMOS button	✓
EPS power connector (8-pin)	✓		
12V power connector	✓		
RGB LED pin header	✓		

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



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