

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

Brand : ASUS

Product code: 90MB1KG0-M0EAY0

Product name : ROG MAXIMUS Z890 HERO BTF

LGA 1851 (Socket V1), Intel Z890 Chipset, 4 x DDR5-SDRAM up to 256GB, LAN, WLAN, 2 x RJ-45, 4 x SATA III, 6 x M.2(M), UEFI AMI, ATX

ASUS ROG MAXIMUS Z890 HERO BTF. Processor manufacturer: Intel, Processor socket: LGA 1851 (Socket V1), Compatible processor series: Intel Core Ultra (Series 2). Supported memory types: DDR5-SDRAM, Maximum internal memory: 256 GB, Memory slots type: DIMM. Supported storage drive interfaces: M.2, SATA III, Supported storage drive types: HDD & SSD, RAID levels: 0, 1, 5, 10. Ethernet interface type: 2.5 Gigabit Ethernet, 5 Gigabit Ethernet, Top Wi-Fi standard: Wi-Fi 7 (802.11be), Wi-Fi standards: Wi-Fi 7 (802.11be). Component for: PC, Motherboard form factor: ATX, Motherboard chipset family: Intel



Processor		Network	
Processor manufacturer *	Intel	Ethernet LAN	✓
Processor socket *	LGA 1851 (Socket V1)	Ethernet interface type	2.5 Gigabit Ethernet, 5 Gigabit Ethernet
Compatible processor series *	Intel Core Ultra (Series 2)	Wi-Fi *	✓
Supported processor sockets	LGA 1851	Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Memory		Wi-Fi standards	Wi-Fi 7 (802.11be)
Supported memory types *	DDR5-SDRAM	Bluetooth	✓
Number of memory slots *	4	Bluetooth version	5.4
Memory slots type	DIMM	Features	
Memory channels	Dual-channel	Motherboard chipset *	Intel Z890
ECC compatibility	Non-ECC	Audio chip	Realtek ALC4082
Maximum internal memory *	256 GB	Audio output channels *	7.1 channels
Unbuffered memory	✓	Product colour	Black
Storage controllers		Component for *	PC
Supported storage drive types	HDD & SSD	Motherboard form factor *	ATX
Supported storage drive interfaces *	M.2, SATA III	Motherboard chipset family *	Intel
Number of HDDs supported	4	Windows operating systems supported	Windows 11
Number of storage drives supported	10	Expansion slots	
RAID support	✓	PCI Express x1 (Gen 4.x) slots	1
RAID levels	0, 1, 5, 10	PCI Express x4 (Gen 4.x) slots	1
Graphics		PCI Express x16 (Gen 5.x) slots	1
Parallel processing technology support *	Not supported	Number of M.2 (M) slots	6
On-board graphics card	✗	1st M.2 largest key size	22110
Internal I/O		1st M.2 highest PCI Express generation	5.0
USB 2.0 connectors *	2	2nd M.2 largest key size	2280

Internal I/O		Expansion slots	
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	2nd M.2 highest PCI Express generation	4.0
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	3rd M.2 largest key size	2280
USB 3.2 Gen 2x2 connectors	1	3rd M.2 highest PCI Express generation	5.0
Number of SATA III connectors *	4	4th M.2 largest key size	2280
Front panel audio connector	✓	4th M.2 highest PCI Express generation	5.0
Front panel connector	✓	5th M.2 largest key size	2280
ATX Power connector (24-pin)	✓	5th M.2 highest PCI Express generation	4.0
CPU fan connector	✓	6th M.2 largest key size	2280
Number of CPU fan connectors	2	6th M.2 highest PCI Express generation	4.0
Number of chassis fan connectors	4	BIOS	
Thunderbolt headers	1	BIOS type *	UEFI AMI
12V power connector	✓	BIOS memory size	256 Mbit
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 *	4	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 *	2	Package weight	4.62 kg
HDMI ports quantity *	1	Weight & dimensions	
S/PDIF out port	✓	Width	305 mm
Thunderbolt ports quantity	2	Depth	244 mm
WiFi-AP antenna jack	1	Packaging content	
		Cables included	SATA
		Antenna included	✓
		Drivers included	✓



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