



# ASUS ROG MAXIMUS Z790 DARK HERO Intel Z790 LGA 1700 ATX

Brand : ASUS

Product code: 90MB1F90-M0EAY0

Product name : ROG MAXIMUS Z790 DARK HERO



ASUS ROG MAXIMUS Z790 DARK HERO. Processor manufacturer: Intel, Processor socket: LGA 1700, Compatible processor series: Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9,.... Supported memory types: DDR5-SDRAM, Maximum internal memory: 128 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, Top Wi-Fi standard: Wi-Fi 7 (802.11be), 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.... Component for: PC, Motherboard form factor: ATX, Motherboard chipset family: Intel



Processor		Rear panel I/O ports	
Processor manufacturer *	Intel	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
Processor socket *	LGA 1700	Ethernet LAN (RJ-45) ports *	1
Compatible processor series *	Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel® Pentium® Gold	HDMI ports quantity *	1
		HDMI version	2.1
Supported processor sockets	LGA 1700	Headphone outputs	1
<b>Memory</b>		Line-in	✓
Supported memory types *	DDR5-SDRAM	Microphone in	✓
Number of memory slots *	4	S/PDIF out port	✓
Memory slots type	DIMM	Thunderbolt ports quantity	2
Memory channels	Dual-channel	WiFi-AP antenna jack	2
Non-ECC	✓	<b>Network</b>	
Supported memory clock speeds MHz	4800,5000,5200,5400,5600,5800,6000,6200,6400,6600,6800,7000,7200,7400,7600,7800	Ethernet LAN	✓
Supported memory clock speed (max)	7800 MHz	Ethernet interface type	2.5 Gigabit Ethernet
Maximum internal memory *	128 GB	Wi-Fi *	✓
Unbuffered memory	✓	Top Wi-Fi standard	Wi-Fi 7 (802.11be)
<b>Storage controllers</b>		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), Wi-Fi 7 (802.11be)
Supported storage drive types	HDD & SSD	Bluetooth	✓
Supported storage drive interfaces *	M.2, SATA III	Bluetooth version	5.4
Number of HDDs supported	4	<b>Features</b>	
Number of storage drives supported	9	Motherboard chipset *	Intel Z790
RAID support	✓	Audio chip	Realtek ALC4082
RAID levels	0, 1, 5, 10	Audio output channels *	7.1 channels
<b>Graphics</b>		Product colour	Black
Parallel processing technology support *	Not supported	Component for *	PC
On-board graphics card	✗	Motherboard form factor *	ATX
<b>Internal I/O</b>		Motherboard chipset family *	Intel
USB 2.0 connectors *	2	Power source type	ATX
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	Windows operating systems supported	Windows 10, Windows 11
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1		
Number of SATA III connectors *	6		
Front panel audio connector	✓		

<b>Internal I/O</b>		<b>Expansion slots</b>	
ATX Power connector (24-pin)	✓	PCI Express x16 (Gen 4.x) slots	1
CPU fan connector	✓	PCI Express x16 (Gen 5.x) slots	2
Number of chassis fan connectors	4	Number of M.2 (M) slots	3
EPS power connector (8-pin)	✓	<b>BIOS</b>	
12V power connector	✓	BIOS type *	UEFI AMI
RGB LED pin header	✓	BIOS memory size	256 Mbit
<b>Rear panel I/O ports</b>		Clear CMOS button	✓
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	<b>Packaging data</b>	
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	5	Package width	370 mm
		Package depth	312 mm
		Package height	108 mm
		Package weight	4.07 kg
		<b>Weight &amp; dimensions</b>	
		Width	305 mm
		Depth	244 mm
		<b>Packaging content</b>	
		Cables included	SATA
		Drivers included	✓
		<b>Other features</b>	
		Back-to-BIOS button	✓



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