

# ASUS ROG MAXIMUS Z790 APEX ENCORE Intel Z790 LGA 1700 ATX

Brand : ASUS

Product code: 90MB1FX0-M0EAY0

Product name : ROG MAXIMUS Z790 APEX ENCORE

Intel Z790, LGA1700, 2 x DIMM DDR5, 2x2 Wi-Fi 7 (802.11be), 2.5GB Ethernet, 2 x 256 Mb Flash ROM, UEFI AMI BIOS, ATX

ASUS ROG MAXIMUS Z790 APEX ENCORE. 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: 96 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, Fast Ethernet, 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		Rear panel I/O ports	
Processor manufacturer *	Intel	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	5
Processor socket *	LGA 1700	USB 3.2 Gen 2x2 Type-C ports quantity	1
Compatible processor series *	Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel® Pentium® Gold	Ethernet LAN (RJ-45) ports *	1
		PS/2 ports quantity	2
<b>Memory</b>		Line-in	✓
Supported memory types *	DDR5-SDRAM	Microphone in	✓
Number of memory slots *	2	S/PDIF out port	✓
Memory slots type	DIMM	<b>Network</b>	
Memory channels	Dual-channel	Ethernet LAN	✓
Non-ECC	✓	Ethernet interface type	2.5 Gigabit Ethernet, Fast Ethernet, Gigabit Ethernet
Supported memory clock speeds	8200,8400,4800,5000,5200,5400,5600,5800,6000,6200,6400,6600,6800,7000,7200,7400,7600,7800,8000 MHz	Wi-Fi *	✓
Supported memory clock speed (max)	8400 MHz	Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Maximum internal memory *	96 GB	Wi-Fi standards	Wi-Fi 7 (802.11be)
Unbuffered memory	✓	Bluetooth	✓
<b>Storage controllers</b>		Bluetooth version	5.4
Supported storage drive types	HDD & SSD	<b>Features</b>	
Supported storage drive interfaces *	M.2, SATA III	Motherboard chipset *	Intel Z790
Number of HDDs supported	4	Audio chip	Realtek ALC4080
Number of storage drives supported	9	Audio output channels *	7.1 channels
RAID support	✓	Component for *	PC
RAID levels	0, 1, 5, 10	Motherboard form factor *	ATX
<b>Internal I/O</b>		Motherboard chipset family *	Intel
USB 2.0 connectors *	2	Windows operating systems supported	Windows 10 x64, Windows 11
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	<b>Expansion slots</b>	
USB 3.2 Gen 2x2 connectors	1	PCI Express x4 (Gen 4.x) slots	2
Number of SATA III connectors *	4	Number of M.2 (M) slots	3
Front panel audio connector	✓	<b>BIOS</b>	
ATX Power connector (24-pin)	✓	BIOS type *	UEFI AMI
CPU fan connector	✓		
Number of chassis fan connectors	2		
EPS power connector (8-pin)	✓		
Thunderbolt headers	1		
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

**BIOS**

BIOS memory size 512 Mbit  
Clear CMOS button ✓

**Packaging data**

Package width 370 mm  
Package depth 312 mm  
Package height 108 mm  
Package weight 3.6 kg

**Weight & dimensions**

Width 305 mm  
Depth 244 mm  
Height 49 mm

**Other features**

Weight 1.83 kg



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