

## ASUS PRIME Z790-A WIFI Intel Z790 LGA 1700 ATX

**Brand :** ASUS

**Product code:** 90MB1CS0-M0EAY0

**Product name :** PRIME Z790-A WIFI

16 + 1 Teamed Power Stages (60A) with Enlarged Heatsinks, Gen 5 Slot for Graphics Card, AEMP II for Ultimate DDR5 Performance, USB 3.2 Gen 2x2 Type-C® & Thunderbolt (USB4®) Support , 2.5 Gb Ethernet, WiFi 6E, Intelligent Control, AI Cooling II

ASUS PRIME Z790-A WIFI. 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: 192 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 6E (802.11ax), 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	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
Supported processor sockets	LGA 1700	HDMI ports quantity *	1
<b>Memory</b>		DisplayPorts quantity	1
Supported memory types *	DDR5-SDRAM	Headphone outputs	1
Number of memory slots *	4	Line-in	✓
Memory slots type	DIMM	Microphone in	✓
Memory channels	Dual-channel	S/PDIF out port	✗
ECC	✗	WiFi-AP antenna jack	1
Non-ECC	✓	<b>Network</b>	
Supported memory clock speeds	4800,5000,5200,5400,5600,5800,6000,6200,6400,6600,6800,7000,7200 MHz	Ethernet LAN	✓
Supported memory clock speed (max)	7200 MHz	Ethernet interface type	2.5 Gigabit Ethernet
Maximum internal memory *	192 GB	Wi-Fi *	✓
Unbuffered memory	✓	Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
<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)
Supported storage drive types	HDD & SSD	Bluetooth	✓
Supported storage drive interfaces *	M.2, SATA III	Bluetooth version	5.3
RAID support	✓	<b>Features</b>	
RAID levels	0, 1, 5, 10	Motherboard chipset *	Intel Z790
<b>Graphics</b>		Audio output channels *	7.1 channels
Parallel processing technology support *	Not supported	Product colour	Black, White
On-board graphics card	✗	Component for *	PC
<b>Internal I/O</b>		Motherboard form factor *	ATX
USB 2.0 connectors *	2	Motherboard chipset family *	Intel
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	Power source type	ATX
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	Windows operating systems supported	Windows 10 x64, Windows 11
Number of SATA III connectors *	4		
Front panel audio connector	✓		

Internal I/O		Expansion slots	
ATX Power connector (24-pin)	✓	PCI Express x1 (Gen 3.x) slots	2
CPU fan connector	✓	PCI Express x4 (Gen 4.x) slots	1
Number of chassis fan connectors	4	PCI Express x16 (Gen 4.x) slots	1
Chassis intrusion connector	✓	PCI Express x16 (Gen 5.x) slots	1
EPS power connector (8-pin)	✓	Number of M.2 (M) slots	4
Number of COM connectors	1	<b>BIOS</b>	
TPM connector	✓	BIOS type *	UEFI AMI
Thunderbolt headers	1	BIOS memory size	256 Mbit
12V power connector	✓	Clear CMOS button	✓
RGB LED pin header	✓	<b>Packaging data</b>	
<b>Rear panel I/O ports</b>		Package width	280 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Package depth	265 mm
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2	Package height	71 mm
		Package weight	1.27 kg
		<b>Weight &amp; dimensions</b>	
		Width	305 mm
		Depth	244 mm
		<b>Packaging content</b>	
		Cables included	SATA
		Drivers included	✓



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