



ASUS PRIME Z790-A WIFI Intel Z790 LGA 1700 ATX

Brand : ASUS

Product code: 90MB1CS0-M1EAY0

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
		HDMI ports quantity *	1
Supported processor sockets	LGA 1700	DisplayPorts quantity	1
Memory		Headphone outputs	1
Supported memory types *	DDR5-SDRAM	Line-in	✓
Number of memory slots *	4	Microphone in	✓
Memory slots type	DIMM	S/PDIF out port	✗
Memory channels	Dual-channel	WiFi-AP antenna jack	1
ECC compatibility	Non-ECC	Network	
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)
Storage controllers		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	✓	Features	
RAID levels	0, 1, 5, 10	Motherboard chipset *	Intel Z790
Graphics		Audio output channels *	7.1 channels
Parallel processing technology support *	Not supported	Product colour	Black, White
On-board graphics card	✗	Component for *	PC
Internal I/O		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	✓		
ATX Power connector (24-pin)	✓		

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



4711081939320

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.

Publication date: 04-NOV-2024. Prints or copies of Information are only valid on the printed Publication date