

## ASUS PRIME Z790-P Intel Z790 LGA 1700 ATX

**Brand :** ASUS

**Product code:** 90MB1CK0-M0EAY0

**Product name :** PRIME Z790-P

14 + 1 Teamed Power Stages (50A) 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 6, Intelligent Control, AI Cooling II

ASUS PRIME Z790-P. 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. Component for: PC, Motherboard form factor: ATX, Motherboard chipset family: Intel



Processor		Rear panel I/O ports	
Processor manufacturer *	Intel	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor socket *	LGA 1700	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	1
Compatible processor series *	Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel® Pentium® Gold	USB 3.2 Gen 2x2 Type-C ports quantity	1
Supported processor sockets	LGA 1700	Ethernet LAN (RJ-45) ports *	1
Memory		PS/2 ports quantity	1
Supported memory types *	DDR5-SDRAM	HDMI ports quantity *	1
Number of memory slots *	4	DisplayPorts quantity	1
Memory slots type	DIMM	Headphone outputs	1
Memory channels	Dual-channel	Line-in	✓
ECC compatibility	Non-ECC	Microphone in	✓
Supported memory clock speeds	4800,5000,5200,5400,5600,5800,6000,6200,6400,6600,6800,7000,7200 MHz	Network	
Supported memory clock speed (max)	7200 MHz	Ethernet LAN	✓
Maximum internal memory *	128 GB	Ethernet interface type	2.5 Gigabit Ethernet
Unbuffered memory	✓	Wi-Fi *	✓
Storage controllers		Features	
Supported storage drive types	HDD & SSD	Motherboard chipset *	Intel Z790
Supported storage drive interfaces *	M.2, SATA III	Audio output channels *	7.1 channels
RAID support	✓	Component for *	PC
RAID levels	0, 1, 5, 10	Motherboard form factor *	ATX
Graphics		Motherboard chipset family *	Intel
Parallel processing technology support *	Not supported	Power source type	ATX
Internal I/O		Windows operating systems supported	Windows 10 x64, Windows 11
USB 2.0 connectors *	2	Expansion slots	
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	PCI Express x1 (Gen 3.x) slots	1
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1		

Internal I/O		Expansion slots	
Number of SATA III connectors *	4	PCI Express x16 (Gen 4.x) slots	3
S/PDIF out connector	✓	PCI Express x16 (Gen 5.x) slots	1
Front panel audio connector	✓	Number of M.2 (M) slots	3
ATX Power connector (24-pin)	✓	BIOS	
CPU fan connector	✓	BIOS type *	UEFI AMI
Number of chassis fan connectors	3	BIOS memory size	192 Mbit
Peripheral (Molex) power connectors (4-pin)	1	Clear CMOS button	✓
EPS power connector (8-pin)	✓	Packaging data	
Number of COM connectors	1	Package width	338 mm
TPM connector	✓	Package depth	273 mm
Thunderbolt headers	1	Package height	68 mm
12V power connector	✓	Package weight	1.58 kg
RGB LED pin header	✓	Weight & dimensions	
Rear panel I/O ports		Width	305 mm
USB 2.0 ports quantity *	4	Depth	234 mm
		Packaging content	
		Cables included	SATA
		Drivers included	✓
		Other features	
		Number of M.2 (E) slots	1



4711081937449

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: 23-MAR-2025. Prints or copies of Information are only valid on the printed Publication date