



ASUS PRIME Z790-P WIFI Intel Z790 LGA 1700 ATX

Brand : ASUS

Product code: 90MB1CJ0-M1EAY0

Product name : PRIME Z790-P WIFI

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 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: 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 6 (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). 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 *	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	PS/2 ports quantity	1
Memory		HDMI ports quantity *	1
Supported memory types *	DDR5-SDRAM	DisplayPorts quantity	1
Number of memory slots *	4	Headphone outputs	1
Memory slots type	DIMM	Line-in	✓
Memory channels	Dual-channel	Microphone in	✓
Non-ECC	✓	WiFi-AP antenna jack	1
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		Top Wi-Fi standard	Wi-Fi 6 (802.11ax)
Supported storage drive types	HDD & SSD	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)
Supported storage drive interfaces *	M.2, SATA III	Bluetooth	✓
RAID support	✓	Bluetooth version	5.2
RAID levels	0, 1, 5, 10	Features	
Graphics		Motherboard chipset *	Intel Z790
Parallel processing technology support *	Not supported	Audio output channels *	7.1 channels
Internal I/O		Component for *	PC
USB 2.0 connectors *	2	Motherboard form factor *	ATX
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	Motherboard chipset family *	Intel
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	Power source type	ATX
Number of SATA III connectors *	4	Windows operating systems supported	Windows 10 x64, Windows 11
S/PDIF out connector	✓	Expansion slots	
Front panel audio connector	✓	PCI Express x1 (Gen 3.x) slots	1
ATX Power connector (24-pin)	✓		

Internal I/O		Expansion slots	
CPU fan connector	✓	PCI Express x16 (Gen 4.x) slots	3
Number of chassis fan connectors	3	PCI Express x16 (Gen 5.x) slots	1
Peripheral (Molex) power connectors (4-pin)	1	Number of M.2 (M) slots	3
EPS power connector (8-pin)	✓	BIOS	
Number of COM connectors	1	BIOS type *	UEFI AMI
TPM connector	✓	BIOS memory size	192 Mbit
Thunderbolt headers	1	Clear CMOS button	✓
12V power connector	✓	Packaging data	
RGB LED pin header	✓	Package width	338 mm
Rear panel I/O ports		Package depth	273 mm
USB 2.0 ports quantity *	4	Package height	68 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Package weight	1.68 kg
		Weight & dimensions	
		Width	305 mm
		Depth	234 mm
		Height	40 mm
		Packaging content	
		Cables included	SATA
		Drivers included	✓
		Other features	
		Weight	1.03 kg



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