

ASUS PRIME Z690-P WIFI Intel Z690 LGA 1700 ATX

Brand : ASUS

Product code: 90MB1A90-M0EAY0

Product name : PRIME Z690-P WIFI

- Intel® LGA 1700 socket: Ready for 12th gen Intel® processors
 - Enhanced power solution: 14+1 DrMOS, 8+4 pin ProCool connector, alloy chokes and durable capacitors for stable power delivery
 - Comprehensive cooling: Large VRM heatsinks, M.2 heatsink, PCH heatsink, hybrid fan headers and Fan Xpert 4
 - ASUS OptiMem II: Careful routing of traces and vias, plus ground layer optimizations to preserve signal integrity for improved memory overclocking
 - Next-gen connectivity: DDR5, PCIe® 5.0, Intel® WiFi 6, 2.5 Gb Ethernet, USB 3.2 Gen 2x2 Type-C®, front panel USB 3.2 Gen 1 Type-C®, Thunderbolt™ 4 header support
- Intel® Z690 (LGA 1700) ATX motherboard with PCIe® 5.0, DDR5, three M.2 slots, 14+1 DrMOS, HDMI®, DisplayPort™, Intel® WiFi 6, 2.5 Gb Ethernet, USB 3.2 Gen 2x2 Type-C®, front USB 3.2 Gen 1 Type-C®, Thunderbolt™ 4 support and Aura Sync RGB lighting



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 G	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	HDMI version	2.1
Memory slots type	DIMM	DisplayPorts quantity	1
Memory channels	Dual-channel	DisplayPort version	1.4
ECC compatibility	Non-ECC	Headphone outputs	1
Supported memory clock speeds	4800,5000,5200,5400,5600,5800,6000 MHz	Microphone in	✓
Maximum internal memory *	128 GB	S/PDIF out port	✓
Unbuffered memory	✓	Network	
Storage controllers		Ethernet LAN	✓
Supported storage drive types	HDD & SSD	Ethernet interface type	2.5 Gigabit Ethernet
Supported storage drive interfaces *	M.2, SATA	Wi-Fi *	✓
RAID support	✓	Top Wi-Fi standard	Wi-Fi 6 (802.11ax)
RAID levels	0, 1, 5, 10	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)
Graphics		Bluetooth	✓
Parallel processing technology support *	Not supported	Bluetooth version	5.2
Internal I/O		Features	
USB 2.0 connectors *	2	Motherboard chipset *	Intel Z690
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	Audio output channels *	7.1 channels
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	Component for *	PC
		Motherboard form factor *	ATX

Internal I/O		Features	
Number of SATA III connectors *	4	Motherboard chipset family *	Intel
Front panel audio connector	✓	Windows operating systems supported	Windows 10, Windows 11
ATX Power connector (24-pin)	✓	Expansion slots	
Power fan connector	✓	PCI Express x1 (Gen 3.x) slots	1
CPU fan connector	✓	PCI Express x16 (Gen 3.x) slots	2
Number of chassis fan connectors	4	PCI Express x16 (Gen 4.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	Logistics data	
12V power connector	✓	Harmonized System (HS) code	84733020
RGB LED pin header	✓	Weight & dimensions	
Rear panel I/O ports		Width	305 mm
USB 2.0 ports quantity *	2	Depth	234 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Height	68 mm
		Packaging content	
		Cables included	SATA
		Drivers included	✓
		Other features	
		Weight	1.04 kg



4711081469612



4711081469629

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.