

## ASUS PRIME Z690-P D4-CSM Intel Z690 LGA 1700 ATX

**Brand :** ASUS

**Product code:** 90MB18P0-M0EAYC

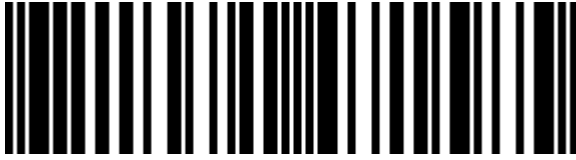
**Product name :** PRIME Z690-P D4-CSM

- Intel® LGA 1700 socket: Ready for 12th gen Intel® processors
  - Enhanced power solution: 14+1 DrMOS power stages, 8+4 pin ProCool connectors, 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: DDR4, PCIe® 5.0, 2.5 Gb Ethernet, USB 3.2 Gen 2x2 Type-C®, front panel USB 3.2 Gen 1 Type-C®, Thunderbolt™ 4 header support
  - ASUS Control Center Express: Real-time IT monitoring and management software for enhanced data protection
- ATX, Intel Z690 chipset, LGA 1700 Socket, 4xDDR4 DIMM slots, 7.1 ch audio, 2.5-Gigabit LAN, AMI UEFI BIOS



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® Core™ i5, Intel® Core™ i7, Intel® Core™ i9	Ethernet LAN (RJ-45) ports *	1
Supported processor sockets	LGA 1700	PS/2 ports quantity	1
<b>Memory</b>		HDMI ports quantity *	1
Supported memory types *	DDR4-SDRAM	HDMI version	2.1
Number of memory slots *	4	DisplayPorts quantity	1
Memory slots type	DIMM	DisplayPort version	1.4
Memory channels	Dual-channel	Headphone outputs	5
Non-ECC	✓	Microphone in	✓
Supported memory clock speeds	2133,2400,2666,2800,2933,3000,3200,3333,3400,3466,3600,3733,3866,4000,4133,4266,4400,4600,4800,5000,5133,5333 MHz	S/PDIF out port	✓
Maximum internal memory *	128 GB	WiFi-AP antenna jack	1
Unbuffered memory	✓	USB connector type	USB Type-A, USB Type-C
<b>Storage controllers</b>		<b>Network</b>	
Supported storage drive types	HDD & SSD	Ethernet LAN	✓
Supported storage drive interfaces *	M.2, PCI Express 4.0, SATA III	Ethernet interface type	2.5 Gigabit Ethernet
Number of storage drives supported	7	Wake-on-LAN ready	✓
RAID support	✓	Wi-Fi *	✗
RAID levels	0, 1, 5, 10	<b>Features</b>	
<b>Graphics</b>		Motherboard chipset *	Intel Z690
Parallel processing technology support *	Not supported	Audio output channels *	7.1 channels
Maximum resolution	3840 x 2160 pixels	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 *	2	Windows operating systems supported	Windows 10 x64, Windows 11 x64
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	<b>Expansion slots</b>	
Number of SATA III connectors *	4	PCI Express x1 (Gen 3.x) slots	1
Front panel audio connector	✓	PCI Express x16 (Gen 3.x) slots	2
ATX Power connector (24-pin)	✓	PCI Express x16 (Gen 4.x) slots	1
CPU fan connector	✓		
Number of chassis fan connectors	3		
EPS power connector (8-pin)	✓		
Number of COM connectors	1		

<b>Internal I/O</b>		<b>Expansion slots</b>	
TPM connector	✓	PCI Express x16 (Gen 5.x) slots	1
Thunderbolt headers	1	Number of M.2 (M) slots	3
12V power connector	✓	<b>BIOS</b>	
RGB LED pin header	✓	BIOS type *	UEFI AMI
<b>Rear panel I/O ports</b>		BIOS memory size	192 Mbit
USB 2.0 ports quantity *	2	Clear CMOS jumper	✓
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	<b>Logistics data</b>	
		Harmonized System (HS) code	84733020
		<b>Weight &amp; dimensions</b>	
		Width	305 mm
		Depth	234 mm
		Height	73 mm
		<b>Packaging content</b>	
		Cables included	SATA
		Drivers included	✓
		<b>Other features</b>	
		Weight	634 g



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