

## ASUS PRIME Z690-A Intel Z690 LGA 1700 ATX

**Brand :** ASUS

**Product code:** 90MB18L0-M0UAY0

**Product name :** PRIME Z690-A

Intel® Z690 (LGA 1700) ATX motherboard with PCIe® 5.0, four M.2 slots, 16+1 DrMOS power stages, DDR5, HDMI®, DisplayPort™, Intel 2.5 Gb Ethernet, USB 3.2 Gen 2x2 Type-C®, front USB 3.2 Gen 2 Type-C®, Thunderbolt™ 4 support and Aura Sync RGB lighting

ASUS PRIME Z690-A. 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, PCI Express 4.0, SATA III, Supported storage drive types: HDD & SSD, RAID levels: 0, 1, 5, 10. USB connector type: USB Type-A, USB Type-C. Ethernet interface type: 2.5 Gigabit Ethernet



Processor		Rear panel I/O ports	
Processor manufacturer *	Intel	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Processor socket *	LGA 1700	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
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
Memory		Ethernet LAN (RJ-45) ports *	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	4800,5000,5200,5400,5800,6000 MHz	Microphone in	✓
Maximum internal memory *	128 GB	Digital audio optical out	1
Unbuffered memory	✓	USB connector type	USB Type-A, USB Type-C
Storage controllers		Network	
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	8	Wi-Fi *	✗
RAID support	✓	Bluetooth	✗
RAID levels	0, 1, 5, 10	Features	
Graphics		Motherboard chipset *	Intel Z690
Parallel processing technology support *	Not supported	Audio chip	Realtek ALC S1220A
On-board graphics card	✗	Audio output channels *	7.1 channels
Internal I/O		Product colour	Aluminium, Black
USB 2.0 connectors *	2	Component for *	PC
		Motherboard form factor *	ATX
		Motherboard chipset family *	Intel

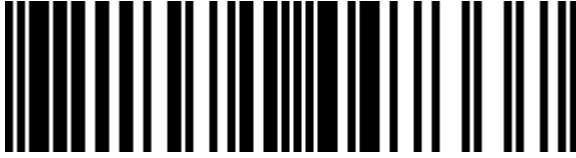
Internal I/O		Features	
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	Power source type	ATX
Number of SATA III connectors *	4	Windows operating systems supported	Windows 10 x64, Windows 11 x64
Front panel audio connector	✓	Expansion slots	
Front panel connector	✓	PCI Express x1 (Gen 3.x) slots	2
ATX Power connector (24-pin)	✓	PCI Express x4 (Gen 1.x) slots	1
CPU fan connector	✓	PCI Express x16 (Gen 3.x) slots	1
Number of chassis fan connectors	4	PCI Express x16 (Gen 5.x) slots	1
Chassis intrusion connector	✓	Number of M.2 (M) slots	4
EPS power connector (8-pin)	✓	BIOS	
Number of COM connectors	1	BIOS type *	UEFI AMI
TPM connector	✓	BIOS memory size	256 Mbit
Thunderbolt headers	1	Clear CMOS button	✓
12V power connector	✓	Weight & dimensions	
RGB LED pin header	✓	Width	305 mm
Rear panel I/O ports		Depth	244 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Packaging content	
		Cables included	SATA
		Drivers included	✓



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