

ASUS PRIME Z690-A Intel Z690 LGA 1700 ATX

Brand : ASUS

Product code: 90MB18L0-M0EAY0

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, Intel Pentium G. Supported memory types: DDR5-SDRAM, Maximum internal memory: 128 GB, Memory slots type: DIMM. Supported storage drive interfaces: M.2, SATA, 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 2 (3.1 Gen 2) Type-A ports quantity *	2
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		HDMI ports quantity *	1
Supported memory types *	DDR5-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	1
Non-ECC	✓	Microphone in	✓
Supported memory clock speeds	6000,4800,5000,5200,5400,5600,5800 MHz	S/PDIF out port	✓
Maximum internal memory *	128 GB	Network	
Unbuffered memory	✓	Ethernet LAN	✓
Storage controllers		Ethernet interface type	2.5 Gigabit Ethernet
Supported storage drive types	HDD & SSD	Wi-Fi *	✗
Supported storage drive interfaces *	M.2, SATA	Bluetooth	✗
RAID support	✓	Features	
RAID levels	0, 1, 5, 10	Motherboard chipset *	Intel Z690
Graphics		Audio chip	Realtek ALC S1220A
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 *	1	Motherboard chipset family *	Intel
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	Windows operating systems supported	Windows 11, Windows 10
Number of SATA III connectors *	4	Expansion slots	
Front panel audio connector	✓	PCI Express x1 (Gen 3.x) slots	1
ATX Power connector (24-pin)	✓	PCI Express x4 (Gen 1.x) slots	1
Power fan connector	✓	PCI Express x16 (Gen 3.x) slots	1
		Number of M.2 (M) slots	4

Internal I/O		BIOS	
CPU fan connector	✓	BIOS type *	UEFI AMI
Number of chassis fan connectors	4	BIOS memory size	256 Mbit
EPS power connector (8-pin)	✓	Clear CMOS button	✓
Number of COM connectors	1	Logistics data	
TPM connector	✓	Harmonized System (HS) code	84733020
Thunderbolt headers	1	Weight & dimensions	
12V power connector	✓	Width	305 mm
RGB LED pin header	✓	Depth	244 mm
Rear panel I/O ports		Height	71 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Packaging content	
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1	Cables included	SATA
		Drivers included	✓
		Other features	
		Weight	1.24 kg



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