

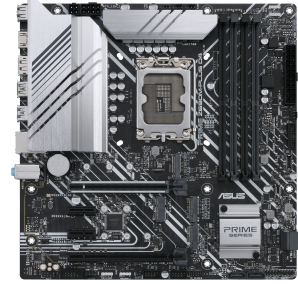
ASUS PRIME Z690M-PLUS D4 Intel Z690 LGA 1700 micro ATX

Brand : ASUS

Product code: 90MB18Q0-M0EAY0

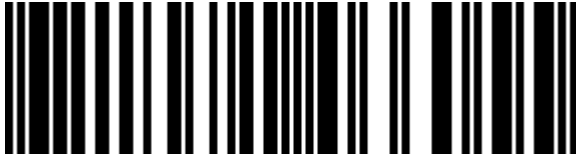
Product name : PRIME Z690M-PLUS D4

- Intel® LGA 1700 socket: Ready for 12th gen Intel® processors
 - Enhanced power solution: 10+1 DrMOS, 4-pin+8-pin ProCool connector, alloy chokes and durable capacitors for stable power delivery
 - Comprehensive cooling: Large VRM heatsinks, 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, Intel® 1 Gb Ethernet, USB 3.2 Gen 2x2 Type-C®, front panel USB 3.2 Gen 1 Type-C®, Thunderbolt™ 4 header
- Intel® Z690 (LGA 1700) mATX motherboard with PCIe® 5.0, three M.2 slots, 10+1 DrMOS, DDR4, HDMI®, DisplayPort™, Intel® 1 Gb Ethernet, USB 3.2 Gen 2x2 Type-C®, front USB 3.2 Gen 1 Type-C®, Thunderbolt™ 4 header and Aura Sync RGB lighting



Processor		Rear panel I/O ports	
Processor manufacturer *	Intel	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4
Processor socket *	LGA 1700	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	1
Compatible processor series *	Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel Pentium G	USB 3.2 Gen 2x2 Type-C ports quantity	1
Memory		Ethernet LAN (RJ-45) ports *	1
Supported memory types *	DDR4-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 MHz	2133,2400,2666,2800,2933,3000,3200,3333,3400,3466,3600,3733,3866,4000,4133,4266,4400,4600,4800,5000,5133,5333	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	Gigabit Ethernet
Supported storage drive interfaces *	M.2, SATA	Wi-Fi *	✗
RAID support	✓	Bluetooth	✗
RAID levels	0, 1, 5, 10	Features	
Graphics		Motherboard chipset *	Intel Z690
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 *	micro 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 10, Windows 11
Number of SATA III connectors *	4	Expansion slots	
Front panel audio connector	✓	PCI Express x1 (Gen 3.x) slots	2
ATX Power connector (24-pin)	✓	PCI Express x16 (Gen 3.x) slots	1
Power fan connector	✓	Number of M.2 (M) slots	3
CPU fan connector	✓		
Number of chassis fan connectors	3		
Peripheral (Molex) power connectors (4-pin)	1		
EPS power connector (8-pin)	✓		

Internal I/O		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	244 mm
USB 2.0 ports quantity *	2	Depth	244 mm
		Height	68 mm
		Packaging content	
		Cables included	SATA
		Drivers included	✓
		Other features	
		Weight	825 g



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