

## ASUS PRIME Z790M-PLUS D4 Intel Z790 LGA 1700 micro ATX

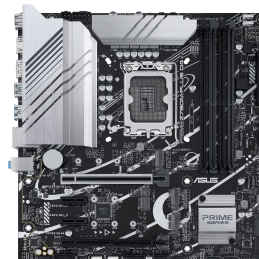
**Brand :** ASUS

**Product code:** 90MB1D20-M0EAY0

**Product name :** PRIME Z790M-PLUS D4

- Intel® LGA 1700 socket: Ready for 12th and 13th Gen Intel® processors
- Enhanced power solution: 10+1 DrMOS, 6-layer PCB, ProCool connectors, alloy chokes and durable capacitors for stable power delivery
- Next-gen connectivity: PCIe® 5.0, Intel® 1 Gb Ethernet, USB 3.2 Gen2x2 Type-C®, front panel USB 3.2 Gen 1 Type-C®, Thunderbolt™ (USB4®) header support
- ASUS OptiMem II: Careful routing of traces and vias, plus ground layer optimizations to preserve signal integrity for improved memory overclocking
- Comprehensive cooling: Large VRM heatsinks, PCH heatsink, hybrid fan headers and Fan Xpert 4 with AI Cooling II

ASUS Prime Z790M-PLUS D4, an Intel Z790 LGA 1700 mATX motherboard with PCIe® 5.0, three M.2 slots, 10+1 DrMOS, DDR4, Intel® 1 Gb LAN, HDMI®, DP, USB 3.2 Gen 2x2 Type-C®, front USB 3.2 Gen 1 Type-C®, Thunderbolt™ (USB4®) support, Arua Sync



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® Gold	USB 3.2 Gen 2x2 Type-C ports quantity	1
Supported processor sockets	LGA 1700	Ethernet LAN (RJ-45) ports *	1
<b>Memory</b> Supported memory types * Number of memory slots * Memory slots type Memory channels Non-ECC Supported memory clock speeds Supported memory clock speed (max) Maximum internal memory * Unbuffered memory	DDR4-SDRAM	HDMI ports quantity *	1
	4	DisplayPorts quantity	1
	Dimm	Headphone outputs	1
	Dual-channel	Line-in	✓
	✓	Microphone in	✓
	2133,2400,2666,2800,2933,3000,3200,3333,3400,3466,3600,3733,3866,4000,4133,4266,4400,4500,4600,4700,4800,5000,5066,5133,5333		
	5333 MHz		
<b>Storage controllers</b>		<b>Network</b>	
Supported storage drive types	HDD & SSD	Ethernet LAN	✓
Supported storage drive interfaces *	M.2, SATA III	Ethernet interface type	Gigabit Ethernet
RAID support	✓	Wi-Fi *	✓
RAID levels	0, 1, 5, 10	<b>Features</b>	
<b>Graphics</b>		Motherboard chipset *	Intel Z790
Parallel processing technology support *	Not supported	Audio output channels *	7.1 channels
<b>Internal I/O</b>		Component for *	PC
USB 2.0 connectors *	2	Motherboard form factor *	micro ATX
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	Motherboard chipset family *	Intel
Number of SATA III connectors *	4	Power source type	ATX
S/PDIF out connector	✓	Windows operating systems supported	Windows 10 x64, Windows 11
Front panel audio connector	✓	<b>Expansion slots</b>	
ATX Power connector (24-pin)	✓	PCI Express x1 (Gen 4.x) slots	2
CPU fan connector	✓	PCI Express x16 (Gen 4.x) slots	1
Number of chassis fan connectors	3	PCI Express x16 (Gen 5.x) slots	1
Chassis intrusion connector	✓	Number of M.2 (M) slots	3
Peripheral (Molex) power connectors (4-pin)	1	<b>BIOS</b>	
		BIOS type *	UEFI AMI

Internal I/O		BIOS	
EPS power connector (8-pin)	✓	BIOS memory size	192 Mbit
Number of COM connectors	1	Clear CMOS button	✓
TPM connector	✓	Packaging data	
Thunderbolt headers	1	Package width	275 mm
12V power connector	✓	Package depth	67.5 mm
RGB LED pin header	✓	Package height	266.5 mm
Rear panel I/O ports		Package weight	970 g
USB 2.0 ports quantity *	2	Weight & dimensions	
		Width	244 mm
		Depth	244 mm
		Packaging content	
		Cables included	SATA
		Drivers included	✓
		Other features	
		Number of M.2 (E) slots	1



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