

ASUS PRIME Z790M-PLUS Intel Z790 LGA 1700 micro ATX

Brand : ASUS

Product code: 90MB1E70-M0EAY0

Product name : PRIME Z790M-PLUS

Intel® Socket LGA1700, Intel® Z790 Chipset, 4 x DIMM, Max. 128GB, DDR5 7200+(OC)/7000(OC)/6800(OC)/6600(OC)/6400(OC)/ 6200(OC)/ 6000(OC)/ 5800(OC)/ 5600/ 5400/ 5200/ 5000/ 4800 Non-ECC, Un-buffered Memory, Total supports 3 x M.2 slots and 4 x SATA 6Gb/s ports* Intel® 13th & 12th Gen Processors, 1Gb Ethernet, Realtek 7.1 Surround Sound High Definition Audio, 192 (128+64) Mb Flash ROM, UEFI AMI BIOS, mATX Form Factor
ASUS PRIME Z790M-PLUS. 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, Supported storage drive types: HDD & SSD, RAID levels: 0, 1, 5, 10. USB connector type: USB Type-A. Ethernet interface type: 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 *	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
Memory		Ethernet LAN (RJ-45) ports *	1
Supported memory types *	DDR5-SDRAM	HDMI ports quantity *	1
Number of memory slots *	4	HDMI version	2.0
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	4800,5000,5200,5400,5600,5800,6000,6200,6400,6600,6800,7000,7200 MHz	Line-in	✓
Maximum internal memory *	128 GB	Microphone in	✓
Unbuffered memory	✓	COM ports quantity	1
Storage controllers		USB connector type	USB Type-A
Supported storage drive types	HDD & SSD	Network	
Supported storage drive interfaces *	M.2, PCI Express 4.0, SATA	Ethernet LAN	✓
Number of HDDs supported	3	Ethernet interface type	Gigabit Ethernet
Number of storage drives supported	4	Wi-Fi *	✗
RAID support	✓	Features	
RAID levels	0, 1, 5, 10	Motherboard chipset *	Intel Z790
Graphics		Audio output channels *	7.1 channels
On-board graphics card	✗	Product colour	Aluminium, Black
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 *	2		

Internal I/O		Features	
Number of SATA III connectors *	4	Motherboard chipset family *	Intel
S/PDIF out connector	✓	Power source type	ATX
Audio connector	✓	Windows operating systems supported	Windows 10, Windows 11
ATX Power connector (24-pin)	✓	Expansion slots	
Power fan connector	✓	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
Peripheral (Molex) power connectors (4-pin)	1	Number of M.2 (M) slots	3
EPS power connector (8-pin)	✓	BIOS	
Number of COM connectors	1	BIOS type *	UEFI AMI
Serial port headers	1	BIOS memory size	192 Mbit
Thunderbolt headers	1	Weight & dimensions	
12V power connector	✓	Width	244 mm
RGB LED pin header	✓	Depth	244 mm
Rear panel I/O ports		Packaging content	
USB 2.0 ports quantity *	4	Cables included	SATA
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Bundled software	ASUS Exclusive Software Armoury Crate - Aura Sync - Fan Xpert 4 (with AI Cooling II) - Power Saving AI Suite 3 - TurboV EVO - DIGI+ VRM - PC Cleaner ASUS CPU-Z Norton 360 Deluxe (60 Days Free Trial) WinRAR UEFI BIOS ASUS EZ DIY - ASUS CrashFree BIOS 3 - ASUS EZ Flash 3 - ASUS UEFI BIOS EZ Mode



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