

ASUS PRIME Z790M-PLUS Intel Z790 LGA 1700 micro ATX

Brand : ASUS

Product code: 90MB1E70-M1EAY0

Product name : PRIME Z790M-PLUS

Intel Z790, Socket LGA1700, 4 x DIMM, Max. 192GB, DDR5, Ethernet, 192 (128+64) Mb Flash ROM, UEFI AMI BIOS, mATX

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: 192 GB, Memory slots type: DIMM. Supported storage drive interfaces: M.2, SATA III, Supported storage drive types: HDD & SSD, RAID levels: 0, 1, 5, 10. Ethernet interface type: Fast Ethernet, Gigabit Ethernet. Component for: PC, Motherboard form factor: micro ATX, Motherboard chipset family: Intel



Processor		Internal I/O	
Processor manufacturer *	Intel	EPS power connector (8-pin)	✓
Processor socket *	LGA 1700	Number of COM connectors	1
Compatible processor series *	Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel® Pentium® Gold	TPM connector	✓
		Thunderbolt headers	1
		12V power connector	✓
Memory		Rear panel I/O ports	
Supported memory types *	DDR5-SDRAM	USB 2.0 ports quantity *	2
Number of memory slots *	4	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4
Memory slots type	DIMM	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	1
Memory channels	Dual-channel	USB 3.2 Gen 2x2 Type-C ports quantity	1
ECC compatibility	Non-ECC	Ethernet LAN (RJ-45) ports *	1
Supported memory clock speeds	4800,5000,5200,5400,5600,5800,6000,6200,6400,6600,6800,7000,7200 MHz	HDMI ports quantity *	1
Supported memory clock speed (max)	7200 MHz	DisplayPorts quantity	1
Maximum internal memory *	192 GB	Microphone in	✓
Unbuffered memory	✓	Network	
Storage controllers		Ethernet LAN	✓
Supported storage drive types	HDD & SSD	Ethernet interface type	Fast Ethernet, Gigabit Ethernet
Supported storage drive interfaces *	M.2, SATA III	Wi-Fi *	✗
Number of HDDs supported	4	Features	
Number of storage drives supported	7	Motherboard chipset *	Intel Z790
RAID support	✓	Audio output channels *	7.1 channels
RAID levels	0, 1, 5, 10	Product colour	Aluminium, Black
Graphics		Component for *	PC
Parallel processing technology support *	Not supported	Motherboard form factor *	micro ATX
On-board graphics card	✗		
Internal I/O			
USB 2.0 connectors *	2		

Internal I/O		Features	
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	Motherboard chipset family *	Intel
Number of SATA III connectors *	4	Windows operating systems supported	Windows 10 x64, Windows 11
S/PDIF out connector	✓	Expansion slots	
Front panel audio connector	✓	PCI Express x1 (Gen 4.x) slots	2
ATX Power connector (24-pin)	✓	PCI Express x16 (Gen 4.x) slots	1
CPU fan connector	✓	Number of M.2 (M) slots	3
Number of chassis fan connectors	3	BIOS	
		BIOS type *	UEFI AMI
		BIOS memory size	192 Mbit
		Weight & dimensions	
		Width	244 mm
		Depth	244 mm

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