

ASUS PRIME Z490-P Intel Z490 LGA 1200 (Socket H5) ATX

Brand : ASUS

Product code: 90MB12V0-M0EAY0

Product name : PRIME Z490-P

- Intel LGA 1200 socket: Ready for 10th Gen Intel Core processors
 - Enhanced power solution: 10+1 DrMOS power stages, 6-layer PCB, ProCool connector, alloy chokes and durable capacitors for stable power delivery
 - Comprehensive cooling: 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
 - Ultrafast connectivity: Dual M.2, 1 Gb Ethernet, USB 3.2 Gen 2 Type-A and Thunderbolt 3 support
- Intel Z490, Socket 1200, 4x DDR4 DIMM, DP, HDMI, PCIe 3.0 x16, M.2, SATA III, 1G LAN, USB 3.2, PS/2, S/PDIF, ATX, 305x234 mm



Processor		Rear panel I/O ports	
Processor manufacturer *	Intel	USB 2.0 ports quantity *	2
Processor socket *	LGA 1200 (Socket H5)	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Compatible processor series *	Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel® Pentium®	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
Maximum number of SMP processors	1	Ethernet LAN (RJ-45) ports *	1
Memory		PS/2 ports quantity	1
Supported memory types *	DDR4-SDRAM	HDMI ports quantity *	1
Number of memory slots *	4	HDMI version	1.4b
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	2133,2400,2666,2800,2933,3000,3200,3300,3333,3400,3466,3600,3733,3866,4000,4133,4266,4400,4500,4600 MHz	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 III	LAN controller	Realtek RTL8111H
RAID levels	0, 1, 5, 10	Wi-Fi *	✗
Graphics		Features	
Parallel processing technology support *	2-Way CrossFireX	Motherboard chipset *	Intel Z490
Maximum resolution	4096 x 2304 pixels	Audio chip	Realtek ALC887
Internal I/O		Audio output channels *	8 channels
USB 2.0 connectors *	2	Component for *	PC
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	Motherboard form factor *	ATX
Number of SATA III connectors *	4	Motherboard chipset family *	Intel
Front panel audio connector	✓	Expansion slots	
ATX Power connector (24-pin)	✓	PCI Express x1 (Gen 3.x) slots	4
CPU fan connector	✓		
Number of chassis fan connectors	3		

Internal I/O		Expansion slots	
TPM connector	✓	PCI Express x16 (Gen 3.x) slots	1
Thunderbolt headers	1	Number of M.2 (M) slots	2
12V power connector	✓	BIOS	
		BIOS type *	UEFI AMI
		BIOS memory size	128 Mbit
		Clear CMOS jumper	✓
		Weight & dimensions	
		Width	305 mm
		Depth	234 mm
		Packaging content	
		Cables included	SATA



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