

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

Brand : ASUS

Product code: 90MB1390-M0EAY0

Product name : PRIME Z490-A



- Intel® LGA 1200 Socket: Ready for 10th Gen Intel® Core™ processors
 - Enhanced power solution: 12+2 DrMOS power stages, 6-layer PCB, ProCool sockets, alloy chokes and durable capacitors for stable power delivery
 - AI Overclocking: Quickly optimizes CPU performance based on the CPU and cooler, achieving results that are extremely close to manual tuning by experts
 - AI Cooling: Manages and controls all motherboard fans, automatically optimizing settings based on current system load and temperature
 - 5-Way Optimization: One-click, system-wide tuning delivers optimized overclocking and intelligent cooling for CPU or GPU-intensive tasks
 - Comprehensive cooling: VRM heatsink, M.2 heatsink, hybrid fan headers and Fan Xpert 4
 - Next-gen connectivity: Intel® 2.5 Gb Ethernet, front USB 3.2 Gen 2 Type-C® and Thunderbolt™ 3 header support
- Intel Z490, Socket 1200, 4 x DIMM, Max. 128GB, DDR4, NVIDIA 2-Way SLI, AMD 3-Way CrossFireX, Intel I225-V, ATX

Processor		Rear panel I/O ports	
Processor manufacturer *	Intel	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	3
Processor socket *	LGA 1200 (Socket H5)	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
Compatible processor series *	Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel® Pentium®	Ethernet LAN (RJ-45) ports *	1
Memory		HDMI ports quantity *	1
Supported memory types *	DDR4-SDRAM	HDMI version	1.4b
Number of memory slots *	4	DisplayPorts quantity	1
Memory slots type	DIMM	DisplayPort version	1.4
Memory channels	Dual-channel	Headphone outputs	1
ECC compatibility	Non-ECC	Microphone in	✓
Supported memory clock speeds	2133,2400,2666,2800,2933,3000,3200,3333,3466,3600,3733,3866,4000,4133,4266,4400,4500,4600 MHz	S/PDIF out port	✓
Maximum internal memory *	128 GB	Network	
Storage controllers		Ethernet LAN	✓
Supported storage drive types	HDD & SSD	Ethernet interface type	2.5 Gigabit Ethernet
Supported storage drive interfaces *	M.2, SATA III	LAN controller	Intel I225-V
RAID levels	0, 1, 5, 10	Wi-Fi *	✗
Graphics		Features	
Parallel processing technology support *	2-Way SLI, 3-Way CrossFireX	Motherboard chipset *	Intel Z490
Maximum resolution	4096 x 2304 pixels	Audio chip	SupremeFX S1220A
Internal I/O		Audio output channels *	7.1 channels
USB 2.0 connectors *	2	Component for *	PC
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	Motherboard form factor *	ATX
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	Motherboard chipset family *	Intel
Number of SATA III connectors *	6	Windows operating systems supported	Windows 10 x64
ATX Power connector (24-pin)	✓	Expansion slots	
Number of EATX power connectors	1	PCI Express x1 (Gen 3.x) slots	3
CPU fan connector	✓	PCI Express x16 (Gen 3.x) slots	3
Number of chassis fan connectors	2		

Internal I/O		Expansion slots	
Thunderbolt headers	1	Number of M.2 (M) slots	2
Rear panel I/O ports		BIOS	
USB 2.0 ports quantity *	2	BIOS type *	UEFI AMI
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	BIOS memory size	192 Mbit
		Clear CMOS jumper	✓
		Weight & dimensions	
		Width	305 mm
		Depth	244 mm
		Packaging content	
		Cables included	SATA
		Other features	
		Number of M.2 (E) slots	1



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