

ASUS ROG STRIX Z490-F GAMING Intel Z490 LGA 1200 (Socket H5) ATX

Brand : ASUS

Product code: 90MB12Q0-M0EAY0

Product name : ROG STRIX Z490-F GAMING

- Up to 5.3 GHz clock speed with Intel® Thermal Velocity Boost
- Intel® Turbo Boost Max Technology 3.0
- Memory Support with DDR4-2933
- Up to 10 cores and 20 threads
- Intel® Hyper-Threading Technology from the Intel® Core™ i9 to the Intel® Core™ i3 desktop processor
- New 2.5 G Ethernet
- New Wi-Fi 6 (Gig+)

Intel Socket 1200, Intel Z490, 4x DIMM, DisplayPort 1.4, HDMI 1.4b, 3x USB 3.2 Gen 2, USB C, 2x USB 2.0, 2x USB 3.2 Gen 1, ATX

ASUS ROG STRIX Z490-F GAMING. Processor manufacturer: Intel, Processor socket: LGA 1200 (Socket H5), Compatible processor series: Intel® Celeron®, Intel® Pentium®. Supported memory types: DDR4-SDRAM, Maximum internal memory: 128 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. Parallel processing technology support: 2-Way SLI, 3-Way CrossFireX, Maximum resolution: 4096 x 2304 pixels. Ethernet interface type: 2.5 Gigabit Ethernet



Processor		Internal I/O	
Processor manufacturer *	Intel	Thunderbolt headers	1
Processor socket *	LGA 1200 (Socket H5)	Rear panel I/O ports	
Compatible processor series *	Intel® Celeron®, Intel® Pentium®	USB 2.0 ports quantity *	2
Memory		USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Supported memory types *	DDR4-SDRAM	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	3
Number of memory slots *	4	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
Memory slots type	DIMM	Ethernet LAN (RJ-45) ports *	1
Memory channels	Dual-channel	HDMI ports quantity *	1
ECC compatibility	Non-ECC	HDMI version	1.4
Supported memory clock speeds	2133,2400,2666,2800,2933,3000,3200,3333,3466,3600,3733,3866,4000,4133,4266,4400,4500,4600 MHz	DisplayPorts quantity	1
Maximum internal memory *	128 GB	DisplayPort version	1.4
Unbuffered memory	✓	Headphone outputs	1
Storage controllers		Microphone in	✓
Supported storage drive types	HDD & SSD	Network	
Supported storage drive interfaces *	M.2, SATA III	Ethernet LAN	✓
Number of HDDs supported	6	Ethernet interface type	2.5 Gigabit Ethernet
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 *	8 channels
USB 2.0 connectors *	2		
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1		
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1		
Number of SATA III connectors *	6		

Internal I/O		Features	
ATX Power connector (24-pin)	✓	Component for *	PC
Number of EATX power connectors	1	Motherboard form factor *	ATX
CPU fan connector	✓	Motherboard chipset family *	Intel
Number of chassis fan connectors	2	Expansion slots	
Number of COM connectors	1	PCI Express x1 (Gen 3.x) slots	3
		PCI Express x16 (Gen 3.x) slots	2
		BIOS	
		BIOS type *	UEFI AMI
		BIOS memory size	192 Mbit
		Logistics data	
		Harmonized System (HS) code	84733020
		Weight & dimensions	
		Width	305 mm
		Depth	244 mm



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