

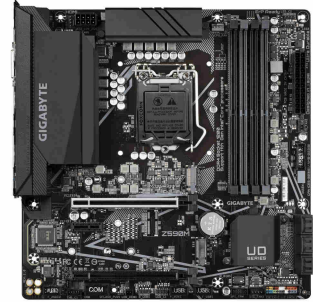
GIGABYTE Z590M motherboard Intel Z590 LGA 1200 (Socket H5) micro ATX

Brand : GIGABYTE

Product code: Z590M

Product name : Z590M

- Supports 11th and 10th Gen Intel® Core™ Series Processors
 - Dual Channel Non-ECC Unbuffered DDR4, 4 DIMMs
 - Direct 8+1 Phases Digital VRM Solution with 50A DrMOS
 - Shielded Memory Routing for Better Memory Overclocking
 - Enlarged VRM Heatsink with Air-Flow Grooving to increased surface contact
 - Dual Ultra-Fast NVMe PCIe 4.0/3.0 x4 M.2
 - Intel® GbE LAN with cFosSpeed Internet Accelerator Software
 - USB 3.2 Gen2 and USB Type-C® for Fast and Versatile Connections
 - Pre-installed IO Shield for easy and quick installation
 - RGB FUSION 2.0 Supports Addressable LED & RGB LED Strips
- Micro ATX, Intel Z590 Express chipset, Socket LGA 1200, 4xDDR4 DIMM slots, 7.1ch audio, Gigabit LAN, AMI UEFI BIOS



Processor		Rear panel I/O ports	
Processor manufacturer *	Intel	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4
Processor socket *	LGA 1200 (Socket H5)	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
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 *	1
Supported processor sockets	LGA 1200 (Socket H5)	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	1.4
Memory slots type	DIMM	DVI-D ports quantity *	1
Memory channels	Dual-channel	DisplayPorts quantity	1
ECC compatibility	ECC & Non-ECC	DisplayPort version	1.2
Supported memory clock speeds	2133,2400,2666,2800,2933,3000,3200,3300,3333,3400,3466,3600,3666,3733,3800,3866,4000,4133,4266,4300,4400,4500,4600,4700,4800,4933,5000,5133,5333 MHz	Headphone outputs	3
Maximum internal memory *	128 GB	Microphone in	✓
Unbuffered memory	✓	USB connector type	USB Type-A, USB Type-C
Storage controllers		Network	
Supported storage drive types	HDD & SSD	Ethernet LAN	✓
Supported storage drive interfaces *	M.2, SATA III	Ethernet interface type	Gigabit Ethernet
Number of storage drives supported	8	Wi-Fi *	✗
RAID levels	0, 1, 5, 10	Features	
Graphics		Motherboard chipset *	Intel Z590
Parallel processing technology support *	2-Way CrossFireX, Quad-GPU CrossFireX	Audio output channels *	7.1 channels
Maximum resolution	4096 x 2304 pixels	PC health monitoring	Fan, Temperature, Voltage
HDCP	✓	Component for *	PC
Number of displays supported	3	Motherboard form factor *	micro ATX
Internal I/O		Motherboard chipset family *	Intel
USB 2.0 connectors *	2	Windows operating systems supported	Windows 10 x64
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	Expansion slots	
Number of SATA III connectors *	6	PCI Express x1 slots	1
S/PDIF out connector	✓	PCI Express x16 slots	2
Front panel audio connector	✓		
Front panel connector	✓		
ATX Power connector (24-pin)	✓		
CPU fan connector	✓		
Number of chassis fan connectors	3		
EPS power connector (8-pin)	✓		

Internal I/O		Expansion slots	
TPM connector	✓	Number of M.2 (M) slots	2
Serial port headers	1	BIOS	
Thunderbolt headers	2	BIOS type *	UEFI AMI
12V power connector	✓	BIOS memory size	256 Mbit
RGB LED pin header	✓	ACPI version	5.0
		Clear CMOS jumper	✓
		Desktop Management Interface (DMI) version	2.7
		System Management BIOS (SMBIOS) version	2.7
		Logistics data	
		Harmonized System (HS) code	84733020
		Weight & dimensions	
		Width	244 mm
		Depth	244 mm
		Packaging content	
		Bundled software	Norton Internet Security, cFosSpeed



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