



GIGABYTE Z890M GAMING X Motherboard - Supports Intel Core Ultra (Series 2) CPUs, 8+1+2 phases VRM, up to 8800MHz DDR5 (OC), 1xPCIe 5.0 + 2xPCIe 4.0, 2.5GbE LAN, USB 3.2 Gen 1

Brand : GIGABYTE

Product code: Z890M GAMING X

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- Digital 8+1+2+1 Phases 50A PowerPak VRM with Solid Capacitor
- Reinforced PCIe UD Slot PCIe 5.0 with PCIe EZ-Latch Design
- PCIe M.2 design (Up to 2580) with Thermal Guard
- Fully Covered MOSFET Heatsinks
- 2.5GbE LAN, USB 3.2 Gen1 Type-C®

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Elevate your computing experience with GIGABYTE's renowned motherboard series: AORUS, AERO, and GIGABYTE. Featuring innovative designs and advanced features, these boards offer exceptional performance and reliability. Whether you're a gamer, content creator, or professional, our series cater to your needs, ensuring uncompromising quality and cutting-edge



Processor		Rear panel I/O ports	
Processor manufacturer *	Intel	S/PDIF out port	✓
Processor socket *	LGA 1851 (Socket V1)	Network	
Compatible processor series *	Intel Core Ultra (Series 2)	Ethernet LAN	✓
Supported processor sockets	LGA 1851	Ethernet interface type	2.5 Gigabit Ethernet
Maximum internal memory supported by processor	256 GB	Wi-Fi *	✗
Memory		Features	
Supported memory types *	DDR5-SDRAM	Motherboard chipset *	Intel Z890
Number of memory slots *	4	Audio output channels *	7.1 channels
Memory slots type	DIMM	Product colour	Black
Memory channels	Dual-channel	PC health monitoring	Fan, Temperature, Voltage
Non-ECC	✓	Component for *	PC
Supported memory clock speeds MHz	5600,5800,6000,6200,6400,6600,6800,7000,7200,7400,7600,7800,7900,7950,8000,8200,8266,8400,8600	Motherboard form factor *	micro ATX
Supported memory clock speed (max)	8800 MHz	Motherboard chipset family *	Intel
Maximum internal memory *	256 GB	Windows operating systems supported	Windows 10 x64, Windows 11 x64
Supported memory module capacities	1GB, 2GB, 4GB, 8GB, 12GB, 16GB, 24GB, 32GB, 40GB, 48GB, 64GB	Expansion slots	
Storage controllers		PCI Express x16 slots	1
Supported storage drive types	HDD & SSD	Number of M.2 (M) slots	3
Supported storage drive interfaces *	M.2, SATA III	BIOS	
Number of HDDs supported	7	BIOS type *	UEFI AMI
Number of storage drives supported	4	BIOS memory size	256 Mbit
RAID support	✓	ACPI version	5.0
RAID levels	0, 1, 5, 10	Clear CMOS jumper	✓
Graphics		Clear CMOS button	✓
DirectX version	12.0	Desktop Management Interface (DMI) version	2.7
Internal I/O		System Management BIOS (SMBIOS) version	2.7
USB 2.0 connectors *	2	Logistics data	
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	Country of origin	China
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	Products per shipping (inner) case	1 pc(s)
Number of SATA III connectors *	4		
Total number of SATA connectors	4		
ATX Power connector (24-pin)	✓		
EPS power connector (8-pin)	✓		
TPM connector	✓		

Internal I/O		Battery	
12V power connector	✓	Battery weight	3 g
RGB LED pin header	✓	Lithium weight per battery	0.07 g
Rear panel I/O ports		Number of battery cells	1
USB 2.0 ports quantity *	2	Battery technology	Lithium-Manganese Dioxide (LiMnO ₂)
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3	Battery type	CR2032
Ethernet LAN (RJ-45) ports *	1	Packaging data	
HDMI ports quantity *	1	Package width	270 mm
DisplayPorts quantity	2	Package depth	268 mm
Microphone in	✓	Package height	68 mm
		Package weight	1.22 kg
		Weight & dimensions	
		Width	244 mm
		Depth	244 mm
		Height	35 mm
		Packaging content	
		Batteries included	✓
		Bundled software	Norton® Internet Security (OEM version) LAN bandwidth management software
		Other features	
		Weight	1.1 kg
		Technical details	
		Warranty period	3 year(s)



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