

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

Internal I/O		Logistics data	
TPM connector	✓	Products per shipping (inner) case	1 pc(s)
12V power connector	✓	Battery	
RGB LED pin header	✓	Battery weight	3 g
Rear panel I/O ports		Lithium weight per battery	0.07 g
USB 2.0 ports quantity *	2	Number of battery cells	1
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
Ethernet LAN (RJ-45) ports *	1	Battery type	CR2032
HDMI ports quantity *	1	Packaging data	
DisplayPorts quantity	2	Package width	270 mm
Microphone in	✓	Package depth	268 mm
		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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