

GIGABYTE Z890 AORUS MASTER Motherboard - Supports Intel Core Ultra (Series 2) CPUs, 18+1+2 phases VRM, up to 9500MHz DDR5 (OC), 2xPCIe 5.0 + 3xPCIe 4.0, Wi-Fi 7, 10GbE LAN, Thunderbolt 4

Brand : GIGABYTE

Product code: Z890 AORUS MASTER

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- Digital 18+1+2+1 Phases 110A SPS VRM with Tantalum Polymer Capacitor
- Reinforced PCIe UD Slot X PCIe 5.0 with PCIe EZ-Latch Plus Design
- PCIe M.2 design (Up to 25110) with M.2 EZ-Latch Plus & Thermal Guard
- Fully Covered MOSFET Heatsinks with heatpipe/M.2 EZ-Latch Click Design
- Intel 2x2 Wi-Fi 7 BE200 with WIFI EZ-Plug Design
- 10GbE LAN, THUNDERBOLT 4 Type-C, USB 3.2 Gen2x2 Type-C
- AORUS Exclusive DDR Cooling kit: DDR Wind Blade

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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		Network	
Processor manufacturer *	Intel	Ethernet LAN	✓
Processor socket *	LGA 1851 (Socket V1)	Ethernet interface type	10 Gigabit Ethernet
Compatible processor series *	Intel Core Ultra (Series 2)	Wi-Fi *	✓
Supported processor sockets	LGA 1851	Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Maximum internal memory supported by processor	256 GB	Wi-Fi standards	Wi-Fi 7 (802.11be)
Memory Supported memory types * Number of memory slots * Memory slots type Memory channels ECC compatibility Supported memory clock speeds Supported memory clock speed (max) Maximum internal memory * Supported memory module capacities		WLAN controller model	Intel Wi-Fi 7 BE200
		Bluetooth	✓
		Bluetooth version	5.4
		Features	
		Motherboard chipset *	Intel Z890
		Audio output channels *	5.1 channels
Storage controllers Supported storage drive types Supported storage drive interfaces * Number of HDDs supported Number of storage drives supported RAID support RAID levels		Product colour	Black
		PC health monitoring	Fan, Temperature, Voltage
		Component for *	PC
		Motherboard form factor *	ATX
		Motherboard chipset family *	Intel
		Windows operating systems supported	Windows 11 x64
Graphics DirectX version		Expansion slots	
		Number of M.2 (M) slots	5
Internal I/O USB 2.0 connectors * USB 3.2 Gen 1 (3.1 Gen 1) connectors * USB 3.2 Gen 2x2 connectors Number of SATA III connectors *		BIOS	
		BIOS type *	UEFI AMI
		BIOS memory size	256 Mbit
		ACPI version	5.0
		Clear CMOS jumper	✓
		Clear CMOS button	✓

Internal I/O		BIOS	
Total number of SATA connectors	4	Desktop Management Interface (DMI) version	2.7
ATX Power connector (24-pin)	✓	System Management BIOS (SMBIOS) version	2.7
EPS power connector (8-pin)	✓	Logistics data	
TPM connector	✓	Country of origin	China
12V power connector	✓	Products per shipping (inner) case	1 pc(s)
RGB LED pin header	✓	Battery	
Rear panel I/O ports		Battery weight	3 g
USB 2.0 ports quantity *	2	Lithium weight per battery	0.07 g
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Number of battery cells	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	6	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	335 mm
Microphone in	✓	Package depth	270 mm
S/PDIF out port	✓	Package height	80 mm
Thunderbolt ports quantity	2	Package weight	2.51 kg
		Weight & dimensions	
		Width	305 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	2.19 kg
		Technical details	
		Warranty period	3 year(s)



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