

GIGABYTE Z890 AORUS PRO ICE Motherboard

Brand : GIGABYTE

Product code: Z890 AORUS PRO ICE

Product name : Z890 AORUS PRO ICE Motherboard

- Digital 16+1+2+1 Phases 90A 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
 - 5GbE LAN, THUNDERBOLT 4 Type-C, USB 3.2 Gen2x2 Type-C
 - AORUS Exclusive DDR Cooling kit: DDR Wind Blade
- Supports Intel Core Ultra (Series 2) CPUs, 16+1+2 phases VRM, up to 9500MHz DDR5 (OC), 1xPCIe 5.0 + 4xPCIe 4.0, Wi-Fi 7, 5GbE LAN, Thunderbolt 4

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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 interface type	5 Gigabit Ethernet
Processor socket *	LGA 1851 (Socket V1)	Wi-Fi *	✓
Compatible processor series *	Intel Core Ultra (Series 2)	Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Supported processor sockets	LGA 1851	Wi-Fi standards	Wi-Fi 7 (802.11be)
Maximum internal memory supported by processor	256 GB	WLAN controller model	Intel Wi-Fi 7 BE200
Memory		Bluetooth	✓
Supported memory types *	DDR5-SDRAM	Bluetooth version	5.4
Number of memory slots *	4	Features	
Memory slots type	DIMM	Motherboard chipset *	Intel Z890
Memory channels	Dual-channel	Audio chip	Realtek ALC1220
ECC compatibility	Non-ECC	Audio output channels *	7.1 channels
Supported memory clock speeds	5600,5800,6000,6200,6400,6600,6800,7000,7200,7400,7600,7800,7900,7950,8000,8200,8266,8400,8600,9500 MHz	Product colour	White
Supported memory clock speed (max)	9500 MHz	PC health monitoring	Fan, Temperature, Voltage
Maximum internal memory *	256 GB	Component for *	PC
Supported memory module capacities	1GB, 2GB, 4GB, 8GB, 12GB, 16GB, 24GB, 32GB, 40GB, 48GB, 64GB	Motherboard form factor *	ATX
Storage controllers		Motherboard chipset family *	Intel
Supported storage drive types	HDD & SSD	Windows operating systems supported	Windows 11 x64
Supported storage drive interfaces *	M.2, SATA III	Expansion slots	
Number of HDDs supported	9	PCI Express x16 (Gen 4.x) slots	2
Number of storage drives supported	4	PCI Express x16 (Gen 5.x) slots	1
RAID support	✓	Number of M.2 (M) slots	5
RAID levels	0, 1, 5, 10	BIOS	
Graphics		BIOS type *	UEFI AMI
On-board graphics card	✗	BIOS memory size	256 Mbit
DirectX version	12.0	ACPI version	5.0
Internal I/O		Clear CMOS jumper	✓
USB 2.0 connectors *	2	Clear CMOS button	✓
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1		
USB 3.2 Gen 2x2 connectors	1		
Number of SATA III connectors *	4		
Total number of SATA connectors	4		

Internal I/O		BIOS	
ATX Power connector (24-pin)	✓	Desktop Management Interface (DMI) version	2.7
EPS power connector (8-pin)	✓	System Management BIOS (SMBIOS) version	2.7
Number of EPS power connectors (8-pin)	2	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 *	4	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 *	2	Battery capacity	220 mAh
Ethernet LAN (RJ-45) ports *	1	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
HDMI ports quantity *	1	Battery type	CR2032
DisplayPorts quantity	2	Packaging data	
Microphone in	✓	Package width	335 mm
S/PDIF out port	✓	Package depth	270 mm
Thunderbolt ports quantity	2	Package height	80 mm
Network		Package weight	2.55 kg
Ethernet LAN	✓	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	2.27 kg
		Technical details	
		Warranty period	3 year(s)



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