



# GIGABYTE Z890 AORUS ELITE WIFI7 ICE Motherboard - Supports Intel Core Ultra (Series 2) CPUs, 16+1+2 phases VRM, up to 8800MHz DDR5 (OC), 1xPCIe 5.0 + 3xPCIe 4.0, Wi-Fi 7, 2.5GbE LAN, Thunderbolt 4

**Brand :** GIGABYTE

**Product code:** Z890 A ELITE WF7 ICE

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- Digital 16+1+2+1 Phases 80A 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
- 2x2 Wi-Fi 7 with WIFI EZ-Plug Design
- 2.5GbE LAN, THUNDERBOLT 4 Type-C, USB 3.2 Gen2 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		Network	
Processor manufacturer *	Intel	Ethernet LAN	✓
Processor socket *	LGA 1851 (Socket V1)	Ethernet interface type	2.5 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)
<b>Memory</b> Supported memory types * DDR5-SDRAM Number of memory slots * 4 Memory slots type DIMM Memory channels Dual-channel Non-ECC ✓ Supported memory clock speeds 5600,5800,6000,6200,6400,6600,6800,7000,7200,7400,7600,7800,7900,7950,8000,8200,8266,8400,8600 MHz 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		WLAN controller model	MediaTek MT7925
		Bluetooth	✓
		Bluetooth version	5.4
Storage controllers		Features	
Supported storage drive types	HDD & SSD	Motherboard chipset *	Intel Z890
Supported storage drive interfaces *	M.2, SATA III	Audio chip	Realtek ALC1220
Number of HDDs supported	8	Audio output channels *	7.1 channels
Number of storage drives supported	4	Product colour	Black
RAID support	✓	PC health monitoring	Fan, Temperature, Voltage
RAID levels	0, 1, 5, 10	Component for *	PC
Graphics		Motherboard form factor *	ATX
DirectX version	12.0	Motherboard chipset family *	Intel
Internal I/O		Windows operating systems supported	Windows 11 x64
USB 2.0 connectors *	2	Expansion slots	
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	PCI Express x16 slots	1
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	Number of M.2 (M) slots	4
Number of SATA III connectors *	4	BIOS	
Total number of SATA connectors	4	BIOS type *	UEFI AMI
		BIOS memory size	256 Mbit
		ACPI version	5.0
		Clear CMOS jumper	✓
		Clear CMOS button	✓

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
TPM connector	✓	<b>Logistics data</b>	
12V power connector	✓	Country of origin	China
RGB LED pin header	✓	Products per shipping (inner) case	1 pc(s)
Rear panel I/O ports		Battery	
USB 2.0 ports quantity *	4	Battery weight	3 g
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3	Lithium weight per battery	0.07 g
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2	Number of battery cells	1
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	1	Package height	80 mm
		Package weight	3.15 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	2.87 kg
		Technical details	
		Warranty period	3 year(s)



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