

## GIGABYTE Z890 AORUS ELITE WIFI7 PLUS Motherboard - Supports Intel Core Ultra (Series 2) CPUs, 16+1+2 phases VRM, up to 9466MHz DDR5 (OC), 1xPCIe 5.0 + 3xPCIe 4.0, Wi-Fi 7, 5GbE LAN, USB 4



**Brand :** GIGABYTE

**Product code:** Z890 A ELITE WIFI7 P

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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 technology.



Processor		Network	
Processor manufacturer *	Intel	Wi-Fi *	✓
Processor socket *	LGA 1851 (Socket V1)	Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Compatible processor series *	Intel Core Ultra (Series 2)	Wi-Fi standards	Wi-Fi 7 (802.11be), 802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax), Wi-Fi 6E (802.11ax)
Supported processor sockets	LGA 1851		WLAN controller model
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-VB
ECC compatibility	Non-ECC	Audio output channels *	7.1 channels
Supported memory clock speed (max)	9466 MHz	Product colour	Black
Maximum internal memory *	256 GB	PC health monitoring	Fan, Temperature, Voltage, Water cooling
Unbuffered memory	✓	Component for *	PC
Maximum internal memory per slot	64 GB	Motherboard form factor *	ATX
Storage controllers		Motherboard chipset family *	Intel
Supported storage drive types	HDD & SSD	Cooling type	Passive
Supported storage drive interfaces *	M.2, SATA III	Power source type	ATX
Number of HDDs supported	8	Windows operating systems supported	Windows 11 x64
Number of storage drives supported	4	Expansion slots	
RAID support	✓	PCI Express x16 (Gen 4.x) slots	2
RAID levels	0, 1, 5, 10	PCI Express x16 (Gen 5.x) slots	1
Graphics		Number of M.2 (M) slots	4
Parallel processing technology support *	Not supported	1st M.2 largest key size	25110
Maximum resolution	3840 x 2160 pixels		
DirectX version	12.0		

<b>Internal I/O</b>		<b>Expansion slots</b>	
USB 2.0 connectors *	2	1st M.2 highest PCI Express generation	5.0
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	2nd M.2 largest key size	22110
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	2nd M.2 highest PCI Express generation	4.0
Number of SATA III connectors *	4	3rd M.2 largest key size	22110
Front panel audio connector	✓	3rd M.2 highest PCI Express generation	4.0
Front panel connector	✓	4th M.2 largest key size	22110
ATX Power connector (24-pin)	✓	4th M.2 highest PCI Express generation	4.0
CPU fan connector	✓	<b>BIOS</b>	
Number of CPU fan connectors	2	BIOS type *	UEFI AMI
Number of chassis fan connectors	4	BIOS memory size	512 Mbit
EPS power connector (8-pin)	✓	ACPI version	5.0
Number of EPS power connectors (8-pin)	2	Clear CMOS jumper	✓
TPM connector	✓	Clear CMOS button	✓
Thunderbolt headers	2	BIOS flashback button	✓
12V power connector	✓	Desktop Management Interface (DMI) version	2.7
Number of water pump connectors	2	System Management BIOS (SMBIOS) version	2.7
RGB LED pin header	✓	<b>Logistics data</b>	
Number of RGB LED pin headers	4	Country of origin	China
<b>Rear panel I/O ports</b>		Products per shipping (inner) case	1 pc(s)
USB 2.0 ports quantity *	4	<b>Battery</b>	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3	Battery weight	3 g
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2	Lithium weight per battery	0.07 g
USB4 Gen 2x2 ports quantity	1	Number of battery cells	1
Ethernet LAN (RJ-45) ports *	1	Battery capacity	220 mAh
DisplayPorts quantity	1	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
DisplayPort version	2.1	Battery type	CR2032
Headphone outputs	1	<b>Packaging data</b>	
Microphone in	✓	Package width	345 mm
S/PDIF out port	✓	Package depth	294 mm
Digital audio optical out	1	Package height	80 mm
WiFi-AP antenna jack	2	Package weight	2.92 kg
<b>Network</b>		<b>Weight &amp; dimensions</b>	
Ethernet LAN	✓	Width	305 mm
Ethernet interface type	5 Gigabit Ethernet	Depth	244 mm
LAN controller	Realtek RTL8126	Height	35 mm
		<b>Packaging content</b>	
		Batteries included	✓
		Antenna included	✓
		Screws included	✓
		Bundled software	Norton® Internet Security (OEM version)
		<b>Other features</b>	
		Weight	2.51 kg
		<b>Technical details</b>	
		Warranty period	3 year(s)



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### Catalog Object Cloud



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