

GIGABYTE Z890 AERO D Motherboard - Supports Intel Core Ultra (Series 2) CPUs, 16+1+2 phases VRM, up to 9500MHz DDR5 (OC), PCIe 5.0 M.2, Wi-Fi 7, Thunderbolt 5

Brand : GIGABYTE

Product code: Z890 AERO D

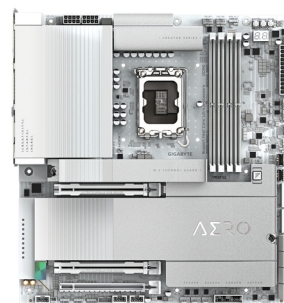
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- Digital 16+1+2+1 Phases 80A SPS VRM with Tantalum Polymer Capacitor
- Reinforced PCIe UD Slot X PCIe 5.0 with PCIe EZ-Latch Plus Design
- PCIe M.2 design (Up to 25110) with M.2 EZ-Latch Plus & Thermal Guard
- Fully Covered MOSFET Heatsinks with heatpipe/M.2 EZ-Latch Click Design
- Intel 2x2 Wi-Fi 7 BE200 with WIFI EZ-Plug Design
- Dual 10GbE LAN, THUNDERBOLT 5 Type-C, USB 3.2 Gen2x2 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	Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Processor socket *	LGA 1851 (Socket V1)	Wi-Fi standards	Wi-Fi 7 (802.11be)
Compatible processor series *	Intel Core Ultra (Series 2)	WLAN controller model	Intel Wi-Fi 7 BE200
Supported processor sockets	LGA 1851	Bluetooth	✓
Memory		Bluetooth version	5.4
Supported memory types *	DDR5-SDRAM	Features	
Number of memory slots *	4	Motherboard chipset *	Intel Z890
Memory slots type	DIMM	Audio chip	ESS ES9260
Memory channels	Dual-channel	Audio output channels *	2.0 channels
ECC compatibility	ECC & Non-ECC	Product colour	White
Supported memory clock speeds	5600, 5800, 6000, 6200, 6400, 6600, 6800, 7000, 7200, 7400, 7600, 7800, 7950, 8200, 8266, 8400, 8600, 8800, 8933, 9066, 9200, 9333, 9466, 9500 MHz	PC health monitoring	Fan, Noise, Temperature, Voltage
Supported memory clock speed (max)	9500 MHz	Component for *	PC
Maximum internal memory *	256 GB	Motherboard form factor *	Extended ATX
Unbuffered memory	✓	Motherboard chipset family *	Intel
Maximum internal memory per slot	64 GB	Windows operating systems supported	Windows 11 x64
Storage controllers		Expansion slots	
Supported storage drive types	HDD & SSD	PCI Express x16 (Gen 4.x) slots	1
Supported storage drive interfaces *	M.2, SATA III	PCI Express x16 (Gen 5.x) slots	2
Number of HDDs supported	8	Number of M.2 (M) slots	4
Number of storage drives supported	12	1st M.2 largest key size	25110
RAID support	✓	1st M.2 highest PCI Express generation	5.0
RAID levels	0, 1, 5, 10	2nd M.2 largest key size	25110
Graphics		2nd M.2 highest PCI Express generation	4.0
Parallel processing technology support *	Not supported	3rd M.2 largest key size	22110
DirectX version	12.0	3rd M.2 highest PCI Express generation	4.0
Internal I/O			
USB 2.0 connectors *	2		
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2		
USB 3.2 Gen 2x2 connectors	2		
Number of SATA III connectors *	8		
Front panel audio connector	✓		

Internal I/O		Expansion slots	
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	✓	BIOS	
Number of CPU fan connectors	2	BIOS type *	UEFI AMI
Number of chassis fan connectors	6	BIOS memory size	256 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	1	Desktop Management Interface (DMI) version	2.7
Number of water pump connectors	2	System Management BIOS (SMBIOS) version	2.7
RGB LED pin header	✓	Logistics data	
Number of RGB LED pin headers	4	Country of origin	China
Rear panel I/O ports		Products per shipping (inner) case	1 pc(s)
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Battery	
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	6	Battery weight	3 g
Ethernet LAN (RJ-45) ports *	2	Lithium weight per battery	0.07 g
HDMI ports quantity *	1	Number of battery cells	1
DisplayPorts quantity	1	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
Headphone outputs	1	Battery type	CR2032
Line-in	✓	Packaging data	
Thunderbolt ports quantity	2	Package width	400 mm
WiFi-AP antenna jack	2	Package depth	335 mm
Network		Package height	430 mm
Ethernet LAN	✓	Package weight	4 kg
Ethernet interface type	10 Gigabit Ethernet	Weight & dimensions	
LAN controller	Marvell AQtion AQC113C	Width	305 mm
Wi-Fi *	✓	Depth	285 mm
		Height	35 mm
		Packaging content	
		Batteries included	✓
		Antenna included	✓
		Screws included	✓
		Bundled software	Norton® Internet Security (OEM version) LAN bandwidth management software
		Other features	
		Weight	3.42 kg
		Technical details	
		Warranty period	3 year(s)



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