

GIGABYTE Z890 AORUS TACHYON ICE Motherboard - Supports Intel Core Ultra (Series 2) CPUs, 18+1+2 phases VRM, up to 9500MHz DDR5 (O.C), 1xPCIe 5.0 + 3xPCIe 4.0, Wi-Fi 7, 5GbE LAN, USB 3.2 Gen 2x2

Brand : GIGABYTE

Product code: Z890 A TACHYON ICE

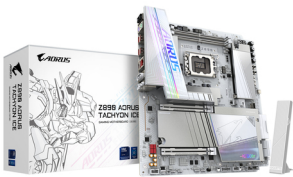
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- Digital 18+1+2 Phases 110A SPS VRM with Tantalum Polymer Capacitor
- Reinforced PCIe UD Slot X PCIe 5.0 with PCIe EZ-Latch Plus Design
- PCIe M.2 design (Up to 25110) with M.2 EZ-Latch Plus & Thermal Guard
- Fully Covered MOSFET Heatsinks with heatpipe/M.2 EZ-Latch Click Design
- MediaTek 2x2 Wi-Fi 7 MT7925 with WIFI EZ-Plug Design
- 5GbE LAN, THUNDERBOLT 4 Type-C, USB 3.2 Gen2x2 Type-C

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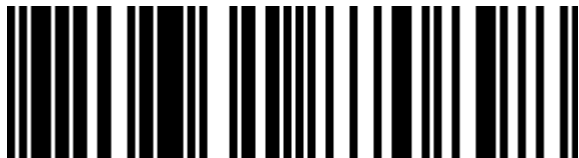
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Elevate your computing experience with GIGABYTE's renowned motherboard series: AORUS, AERO, and GIGABYTE. Featuring innovative designs and advanced features, these boards offer exceptional performance and reliability. Whether you're a gamer, content creator, or professional, our series cater to your needs, ensuring uncompromising quality and cutting-edge technology.



Processor		Network	
Processor manufacturer *	Intel	Ethernet LAN	✓
Processor socket *	LGA 1851 (Socket V1)	Ethernet interface type	2.5 Gigabit Ethernet, 5 Gigabit Ethernet, Fast Ethernet, Gigabit Ethernet
Compatible processor series *	Intel Core Ultra (Series 2)	LAN controller	Realtek RTL8126
Supported processor sockets	LGA 1851	Wi-Fi *	✓
Memory Supported memory types * Number of memory slots * Memory slots type Memory channels ECC compatibility Supported memory clock speeds (max) Supported memory clock speed (MHz) Maximum internal memory * Unbuffered memory	DDR5-SDRAM 2 DIMM Dual-channel ECC & Non-ECC 9500,9466,9333,9200,9066,8933,8800,8600,8400,8266,8200,8000,7950,7900,7800,7600,7400,7200,7000,6800,6600,6400,6200,6000,5800,5600 9500 MHz 128 GB ✓	Top Wi-Fi standard	Wi-Fi 7 (802.11be)
		Wi-Fi standards	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), Wi-Fi 7 (802.11be)
		WLAN controller model	Realtek RTL8922AE
		Bluetooth	✓
		Bluetooth version	5.4
		Features	
		Motherboard chipset *	Intel Z890
		Audio chip	Realtek ALC1220-VB
Storage controllers	Supported storage drive types	Audio output channels *	7.1 channels
	Supported storage drive interfaces *	Product colour	White
	Number of HDDs supported	PC health monitoring	Fan, Temperature, Voltage, Water cooling
	Number of storage drives supported	Component for *	PC
Graphics	RAID support	Motherboard form factor *	Extended ATX
	RAID levels	Motherboard chipset family *	Intel
		Cooling type	Passive
		Power source type	ATX
Internal I/O	USB 2.0 connectors *	Windows operating systems supported	Windows 11 x64
	USB 3.2 Gen 1 (3.1 Gen 1) connectors *	Expansion slots	
	USB 3.2 Gen 2 (3.1 Gen 2) connectors *	PCI Express x16 (Gen 5.x) slots	2

Internal I/O		Expansion slots	
Number of SATA III connectors *	4	Number of M.2 (M) slots	4
Front panel audio connector	✓	1st M.2 largest key size	25110
Front panel connector	✓	1st M.2 highest PCI Express generation	5.0
ATX Power connector (24-pin)	✓	2nd M.2 largest key size	25110
CPU fan connector	✓	2nd M.2 highest PCI Express generation	4.0
Number of CPU fan connectors	2	3rd M.2 largest key size	22110
Number of chassis fan connectors	7	3rd M.2 highest PCI Express generation	4.0
EPS power connector (8-pin)	✓	4th M.2 largest key size	22110
Number of EPS power connectors (8-pin)	1	4th M.2 highest PCI Express generation	4.0
Thunderbolt headers	1	BIOS	
12V power connector	✓	BIOS type *	UEFI AMI
Number of water pump connectors	4	BIOS memory size	512 Mbit
Number of temperature sensor headers	2	ACPI version	5.0
Number of noise detection headers	1	Clear CMOS jumper	✓
RGB LED pin header	✓	Desktop Management Interface (DMI) version	2.7
Number of RGB LED pin headers	4	System Management BIOS (SMBIOS) version	2.7
Rear panel I/O ports		Logistics data	
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	5	Country of origin	Taiwan
USB 3.2 Gen 2x2 Type-C ports quantity	1	Products per shipping (inner) case	1 pc(s)
Ethernet LAN (RJ-45) ports *	1	Battery	
PS/2 ports quantity	2	Battery weight	3 g
DisplayPort version	2.1	Lithium weight per battery	0.07 g
Headphone outputs	1	Number of battery cells	1
Line-in	✓	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
S/PDIF out port	✓	Battery type	CR2032
Digital audio optical out	1	Packaging data	
WiFi-AP antenna jack	2	Package width	400 mm
		Package depth	335 mm
		Package height	430 mm
		Package weight	3.87 kg
		Weight & dimensions	
		Width	305 mm
		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	3.22 kg
		Technical details	
		Warranty period	3 year(s)



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Catalog Object Cloud



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