

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

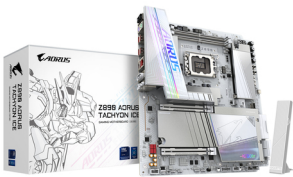
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- Digital 18+1+2 Phases 110A SPS VRM with Tantalum Polymer Capacitor
- Reinforced PCIe UD Slot X PCIe 5.0 with PCIe EZ-Latch Plus Design
- PCIe M.2 design (Up to 25110) with M.2 EZ-Latch Plus & Thermal Guard
- Fully Covered MOSFET Heatsinks with heatpipe/M.2 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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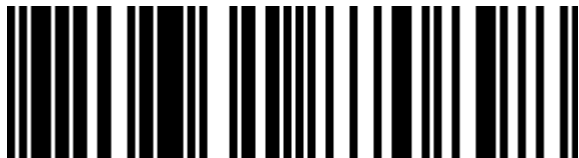
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Elevate your computing experience with GIGABYTE's renowned motherboard series: AORUS, AERO, and GIGABYTE. Featuring innovative designs and advanced features, these boards offer exceptional performance and reliability. Whether you're a gamer, content 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		Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Supported memory types *	DDR5-SDRAM	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)
Number of memory slots *	2	WLAN controller model	Realtek RTL8922AE
Memory slots type	DIMM	Bluetooth	✓
Memory channels	Dual-channel	Bluetooth version	5.4
ECC compatibility	ECC & Non-ECC	Features	
Supported memory clock speeds (max)	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 MHz	Motherboard chipset *	Intel Z890
Supported memory clock speed (max)	9500 MHz	Audio chip	Realtek ALC1220-VB
Maximum internal memory *	128 GB	Audio output channels *	7.1 channels
Unbuffered memory	✓	Product colour	White
Storage controllers		PC health monitoring	Fan, Temperature, Voltage, Water cooling
Supported storage drive types	HDD & SSD	Component for *	PC
Supported storage drive interfaces *	M.2, PCI Express 4.0, PCI Express 5.0, SATA III	Motherboard form factor *	Extended ATX
Number of HDDs supported	4	Motherboard chipset family *	Intel
Number of storage drives supported	8	Cooling type	Passive
RAID support	✓	Power source type	ATX
RAID levels	0, 1, 5, 10	Windows operating systems supported	Windows 11 x64
Graphics		Expansion slots	
Parallel processing technology support *	Not supported	PCI Express x16 (Gen 5.x) slots	2
Maximum resolution	5120 x 2880 pixels		
HDCP	✓		
DirectX version	12.0		
Internal I/O			
USB 2.0 connectors *	1		
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1		
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1		

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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