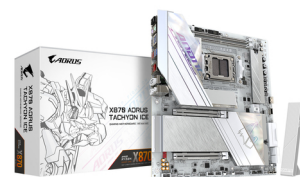


GIGABYTE X870 AORUS TACHYON ICE Motherboard - Supports AMD Ryzen 9000 CPUs, 18+2+2 Phases Digital VRM, up to 9600Hz DDR5 (OC), 1xPCIe 5.0 + 2xPCIe 4.0, Wi-Fi 7, 5 GbE LAN, USB 4



Brand : GIGABYTE

Product code: X870 A TACHYON ICE

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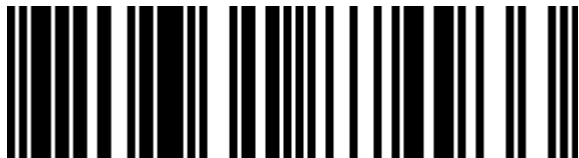
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Elevate your computing experience with GIGABYTE's renowned motherboard series: AORUS, AERO, and GIGABYTE. Featuring innovative designs and advanced features, these boards offer exceptional performance and reliability. Whether you're a gamer, content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

Processor		Rear panel I/O ports	
Processor manufacturer *	AMD	Line-in	✓
Processor socket *	Socket AM5	S/PDIF out port	✓
Compatible processor series *	AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series	Digital audio optical out	1
Supported processor sockets	Socket AM5	WiFi-AP antenna jack	2
Memory		Network	
Supported memory types *	DDR5-SDRAM	Ethernet LAN	✓
Number of memory slots *	2	Ethernet interface type	2.5 Gigabit Ethernet, 5 Gigabit Ethernet, Fast Ethernet, Gigabit Ethernet
Memory slots type	DIMM	LAN controller	Realtek RTL8126
Memory channels	Dual-channel	Wi-Fi *	✓
ECC compatibility	ECC & Non-ECC	Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Supported memory clock speeds	9600, 9200, 8800, 8600, 8400, 8200, 8000, 7800, 7600, 7200, 7000, 6800, 6666, 6600, 6400, 6200, 6000, 5600, 5200, 4800, 4400 MHz	Wi-Fi standards	Wi-Fi 7 (802.11be)
Supported memory clock speed (max)	9600 MHz	WLAN controller model	Realtek RTL8922AE
Maximum internal memory *	128 GB	Bluetooth	✓
Unbuffered memory	✓	Bluetooth version	5.4
Maximum internal memory per slot	64 GB	Features	
Storage controllers		Motherboard chipset *	AMD X870
Supported storage drive types	HDD & SSD	Audio chip	Realtek ALC1220-VB
Supported storage drive interfaces *	M.2, PCI Express 4.0, PCI Express 5.0, SATA III	Audio output channels *	7.1 channels
Number of HDDs supported	4	Product colour	White
Number of storage drives supported	7	PC health monitoring	Fan, Temperature, Voltage, Water cooling
RAID support	✓	Component for *	PC
RAID levels	0, 1, 5, 10	Motherboard form factor *	Extended ATX
Graphics		Motherboard chipset family *	AMD
Parallel processing technology support *	Not supported	Cooling type	Passive
Maximum resolution	4096 x 2160 pixels	Power source type	ATX
HDCP	✓	Windows operating systems supported	Windows 11 x64
DirectX version	12.0	Expansion slots	
Internal I/O		PCI Express x16 (Gen 5.x) slots	2
USB 2.0 connectors *	2		
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1		
USB 3.2 Gen 2x2 connectors	1		
Number of SATA III connectors *	2		

Internal I/O		Expansion slots	
Front panel audio connector	✓	Number of M.2 (M) slots	3
Front panel connector	✓	1st M.2 largest key size	25110
ATX Power connector (24-pin)	✓	1st M.2 highest PCI Express generation	5.0
CPU fan connector	✓	2nd M.2 largest key size	22110
Number of CPU fan connectors	2	2nd M.2 highest PCI Express generation	4.0
Number of chassis fan connectors	6	3rd M.2 largest key size	22110
EPS power connector (8-pin)	✓	3rd M.2 highest PCI Express generation	4.0
Number of EPS power connectors (8-pin)	2	BIOS	
TPM connector	✓	BIOS type *	UEFI AMI
12V power connector	✓	BIOS memory size	512 Mbit
Number of water pump connectors	3	ACPI version	5.0
Number of temperature sensor headers	2	Clear CMOS jumper	✓
Number of noise detection headers	1	Desktop Management Interface (DMI) version	2.7
RGB LED pin header	✓	System Management BIOS (SMBIOS) version	2.7
Number of RGB LED pin headers	4	Logistics data	
Rear panel I/O ports		Country of origin	Taiwan
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Products per shipping (inner) case	1 pc(s)
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	3	Battery	
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1	Battery weight	3 g
USB4 Gen 3x2 ports quantity	1	Lithium weight per battery	0.07 g
Ethernet LAN (RJ-45) ports *	1	Number of battery cells	1
PS/2 ports quantity	2	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
HDMI ports quantity *	1	Battery type	CR2032
HDMI version	2.1	Packaging data	
DisplayPort version	1.4	Package width	400 mm
Headphone outputs	1	Package depth	335 mm
		Package height	430 mm
		Package weight	3.91 kg
		Weight & dimensions	
		Width	305 mm
		Depth	275 mm
		Height	35 mm
		Packaging content	
		Batteries included	✓
		Antenna included	✓
		Screws included	✓
		Bundled software	Norton® Internet Security (OEM version)
		Other features	
		Weight	3.32 kg
		Technical details	
		Warranty period	3 year(s)



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