

GIGABYTE X870E AORUS PRO ICE Motherboard - Supports AMD Ryzen 9000 CPUs, 16+2+2 Phases Digital VRM, up to 8000MHz DDR5 (OC), 3xPCIe 5.0 + 1xPCIe 4.0, Wi-Fi 7, 2.5GbE LAN, USB 4

Brand : GIGABYTE

Product code: X870E AORUS PRO ICE

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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 *	AMD	LAN controller	Realtek RTL8125
Processor socket *	Socket AM5	Wi-Fi *	✓
Compatible processor series *	AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series	Top Wi-Fi standard	Wi-Fi 7 (802.11be)
		Wi-Fi standards	Wi-Fi 7 (802.11be)
Supported processor sockets	Socket AM5	WLAN controller model	Qualcomm QCNCM865
Maximum internal memory supported by processor	256 GB	Bluetooth	✓
Memory		Bluetooth version	5.3
		Features	
Supported memory types *	DDR5-SDRAM	Motherboard chipset *	AMD X870E
Number of memory slots *	4	Audio chip	Realtek ALC1220
Memory slots type	DIMM	Audio output channels *	7.1 channels
Memory channels	Dual-channel	Product colour	White
ECC compatibility	Non-ECC	PC health monitoring	Fan, Temperature, Voltage
Supported memory clock speeds	4400,4800,5600,6000,6200,6400,6600,6800,7000,7600,7800,8000,8200 MHz	Component for *	PC
Supported memory clock speed (max)	8200 MHz	Motherboard form factor *	ATX
Maximum internal memory *	256 GB	Motherboard chipset family *	AMD
Supported memory module capacities	1GB, 2GB, 4GB, 8GB, 12GB, 24GB, 32GB	Windows operating systems supported	Windows 11 x64
Unbuffered memory	✓	Expansion slots	
Maximum internal memory per slot	64 GB	PCI Express x4 slots	2
Storage controllers		PCI Express x16 (Gen 3.x) slots	1
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	1
Number of HDDs supported	4	Number of M.2 (M) slots	4
Number of storage drives supported	8	1st M.2 largest key size	25110
RAID support	✓	1st M.2 highest PCI Express generation	5.0
RAID levels	0, 1, 10	2nd M.2 largest key size	22110
Graphics		2nd M.2 highest PCI Express generation	5.0
Parallel processing technology support *	Not supported		
On-board graphics card	✗		
DirectX version	12.0		

Internal I/O		Expansion slots	
USB 2.0 connectors *	2	3rd M.2 largest key size	22110
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	3rd M.2 highest PCI Express generation	5.0
USB 3.2 Gen 2x2 connectors	1	4th M.2 largest key size	22110
Number of SATA III connectors *	4	4th M.2 highest PCI Express generation	4.0
Audio connector	✓	BIOS	
Front panel audio connector	✓	BIOS type *	UEFI AMI
ATX Power connector (24-pin)	✓	BIOS memory size	256 Mbit
CPU fan connector	✓	ACPI version	5.0
Number of CPU fan connectors	2	Clear CMOS jumper	✓
Number of chassis fan connectors	6	Clear CMOS button	✓
EPS power connector (8-pin)	✓	Desktop Management Interface (DMI) version	2.7
Number of EPS power connectors (8-pin)	2	System Management BIOS (SMBIOS) version	2.7
TPM connector	✓	Logistics data	
Number of water pump connectors	2	Country of origin	China
RGB LED pin header	✓	Products per shipping (inner) case	1 pc(s)
Number of RGB LED pin headers	4	Battery	
Rear panel I/O ports		Battery weight	3 g
USB 2.0 ports quantity *	2	Lithium weight per battery	0.07 g
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Number of battery cells	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	3	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
USB4 Gen 2x2 ports quantity	2	Battery type	CR2032
Ethernet LAN (RJ-45) ports *	1	Packaging data	
HDMI ports quantity *	1	Package width	345 mm
HDMI version	2.1	Package depth	294 mm
DisplayPort version	1.4	Package height	80 mm
Headphone outputs	1	Package weight	2.74 kg
Microphone in	✓	Weight & dimensions	
S/PDIF out port	✓	Width	305 mm
WiFi-AP antenna jack	2	Depth	244 mm
Network		Height	35 mm
Ethernet LAN	✓	Packaging content	
Ethernet interface type	2.5 Gigabit Ethernet	Batteries included	✓
		Antenna included	✓
		Screws included	✓
		Bundled software	Norton® Internet Security (OEM version) LAN bandwidth management software
		Other features	
		Weight	2.4 kg
		Technical details	
		Warranty period	3 year(s)



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Catalog Object Cloud



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