

GIGABYTE X870E AORUS ELITE WIFI7 ICE Motherboard

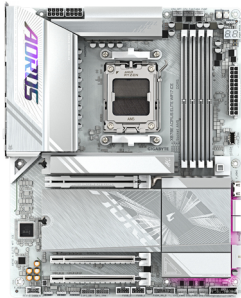
Brand : GIGABYTE

Product code: X870E A ELITE WF7 ICE

Product name : X870E AORUS ELITE WIFI7 ICE
Motherboard



- AMD Socket AM5: Supports AMD Ryzen 9000 Series, 8000 Series, 7000 Series Processors
 - Twin 16+2+2 Phases Digital VRM with DrMOS
 - Dual Channel DDR5: 4*DIMMs with AMD EXPO Memory Module Support
 - PCIe Gen5 x16 with PCIe UD Slot X & EZ-Latch Plus
 - Ultra-Fast Storage: 4*M.2 slots, including 3* PCIe 5.0 x4
 - Efficient Thermal: VRM Thermal Armor Advanced & M.2 Thermal Guard L
 - Extended Connectivity: Dual USB4 Type-C with DP-Alt, HDMI
 - Fast Networking: 2.5GbE LAN & Wi-Fi 7 with directional Ultra-high gain antenna
- Supports AMD Ryzen 9000 CPUs, 16+2+2 Phases Digital VRM, up to 8200Hz DDR5 (OC), 3xPCIe 5.0 + 1xPCIe 4.0, Wi-Fi 7, 2.5GbE LAN, USB 4

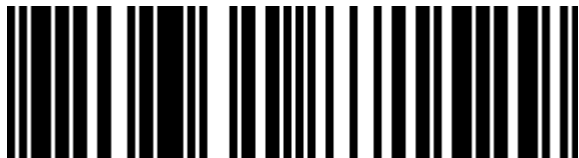


GIGABYTE X870E AORUS ELITE WIFI7 ICE Motherboard:

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	Realtek RTL8922AE
		Bluetooth	✓
Memory		Bluetooth version	5.4
Supported memory types *	DDR5-SDRAM	Features	
Number of memory slots *	4	Motherboard chipset *	AMD X870E
Memory slots type	DIMM	Audio chip	Realtek ALC1220-VB
Memory channels	Dual-channel	Audio output channels *	7.1 channels
ECC compatibility	Non-ECC	Product colour	White
Supported memory clock speeds	8200,8000,7800,7600,7200,7000,6800,6666,6600,6400,6200,6000,5600,5200,4800,4400 MHz	PC health monitoring	Fan, Temperature, Voltage, Water cooling
Supported memory clock speed (max)	8200 MHz	Component for *	PC
Maximum internal memory *	256 GB	Motherboard form factor *	ATX
Unbuffered memory	✓	Motherboard chipset family *	AMD
Maximum internal memory per slot	64 GB	Cooling type	Passive
Storage controllers		Power source type	ATX
Supported storage drive types	HDD & SSD	Windows operating systems supported	Windows 11 x64
Supported storage drive interfaces *	M.2, PCI Express 5.0, SATA III	Expansion slots	
Number of HDDs supported	4	PCI Express x16 (Gen 3.x) slots	1
Number of storage drives supported	8	PCI Express x16 (Gen 4.x) slots	1
RAID support	✓	PCI Express x16 (Gen 5.x) slots	1
RAID levels	0, 1, 5, 10	Number of M.2 (M) slots	4
Graphics		1st M.2 largest key size	25110
Parallel processing technology support *	Not supported	1st M.2 highest PCI Express generation	5.0
On-board graphics card	✗	2nd M.2 largest key size	22110
Maximum resolution	4096 x 2160 pixels	2nd M.2 highest PCI Express generation	5.0
HDCP	✓	Internal I/O	
DirectX version	12.0	USB 2.0 connectors *	2
Internal I/O		USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2

Internal I/O		Expansion slots	
USB 3.2 Gen 2x2 connectors	1	3rd M.2 largest key size	22110
Number of SATA III connectors *	4	3rd M.2 highest PCI Express generation	5.0
Front panel audio connector	✓	4th M.2 largest key size	22110
Front panel connector	✓	4th M.2 highest PCI Express generation	4.0
ATX Power connector (24-pin)	✓	BIOS	
CPU fan connector	✓	BIOS type *	UEFI AMI
Number of CPU fan connectors	2	BIOS memory size	256 Mbit
Number of chassis fan connectors	4	ACPI version	5.0
EPS power connector (8-pin)	✓	Clear CMOS jumper	✓
Number of EPS power connectors (8-pin)	2	Desktop Management Interface (DMI) version	2.7
TPM connector	✓	System Management BIOS (SMBIOS) version	2.7
12V power connector	✓	Logistics data	
Number of water pump connectors	2	Products per shipping (inner) case	1 pc(s)
RGB LED pin header	✓	Battery	
Number of RGB LED pin headers	4	Battery weight	3 g
Rear panel I/O ports		Lithium weight per battery	0.07 g
USB 2.0 ports quantity *	4	Number of battery cells	1
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Battery capacity	220 mAh
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2	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	2.64 kg
Microphone in	✓	Weight & dimensions	
S/PDIF out port	✓	Width	305 mm
Digital audio optical out	1	Depth	244 mm
WiFi-AP antenna jack	2	Height	35 mm
Network		Packaging content	
Ethernet LAN	✓	Batteries included	✓
Ethernet interface type	2.5 Gigabit Ethernet	Antenna included	✓
		Screws included	✓
		Bundled software	Norton® Internet Security (OEM version) LAN bandwidth management software
		Other features	
		Weight	2.64 kg
		Technical details	
		Warranty period	3 year(s)



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