

GIGABYTE X870E AORUS MASTER X3D ICE Motherboard

Brand : GIGABYTE

Product code: X870E A MASTER X ICE

Product name : X870E AORUS MASTER X3D ICE Motherboard

Supports AMD Ryzen 9000 CPUs, 18+2+2 Phases Digital VRM, up to 9000Hz DDR5 (OC), 2xPCIe 5.0 + 3xPCIe 4.0, Wi-Fi 7, 10GbE LAN, USB 4

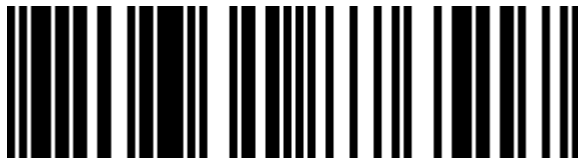
GIGABYTE X870E AORUS MASTER X3D ICE Motherboard:

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Processor		Network	
Processor manufacturer *	AMD	Ethernet interface type	2.5 Gigabit Ethernet, 5 Gigabit Ethernet, 10 Gigabit Ethernet, Fast Ethernet, Gigabit Ethernet
Processor socket *	Socket AM5	LAN controller	Realtek RTL8126, Realtek RTL8127
Compatible processor series *	AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series	Wi-Fi *	✓
Supported processor sockets	Socket AM5	Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Memory		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)
Supported memory types *	DDR5-SDRAM	WLAN controller model	MediaTek MT7927
Number of memory slots *	4	Bluetooth	✓
Memory slots type	DIMM	Bluetooth version	5.4
Memory channels	Dual-channel	Features	
ECC compatibility	ECC & Non-ECC	Motherboard chipset *	AMD X870E
Supported memory clock speeds	9000,8800,8600,8400,8200,8000,7800,7600,7200,7000,6800,6600,6400,6200,6000,5600,5200,4800 MHz	Audio chip	Realtek ALC1220-VB/ESS 9118
Supported memory clock speed (max)	9000 MHz	Audio output channels *	7.1 channels
Maximum internal memory *	256 GB	Product colour	White
Unbuffered memory	✓	PC health monitoring	CPU, Fan, Temperature, Voltage, Water cooling
Maximum internal memory per slot	64 GB	Component for *	PC
Storage controllers		Motherboard form factor *	ATX
Supported storage drive types	HDD & SSD	Motherboard chipset family *	AMD
Supported storage drive interfaces *	M.2, PCI Express 4.0, PCI Express 5.0, SATA III	Cooling type	Passive
Number of HDDs supported	2	Power source type	ATX
Number of storage drives supported	7	Windows operating systems supported	Windows 11 x64
RAID support	✓	Expansion slots	
RAID levels	0, 1, 5, 10	PCI Express x16 (Gen 4.x) slots	1
Graphics		PCI Express x16 (Gen 5.x) slots	2
Parallel processing technology support *	Not supported	Number of M.2 (M) slots	5
Maximum resolution	4096 x 2304 pixels	1st M.2 largest key size	2580
HDCP	✓		
DirectX version	12.0		
Internal I/O			
USB 2.0 connectors *	2		
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2		

Internal I/O		Expansion slots	
USB 3.2 Gen 2x2 connectors	1	1st M.2 highest PCI Express generation	5.0
Number of SATA III connectors *	2	2nd M.2 largest key size	2280
Front panel audio connector	✓	2nd M.2 highest PCI Express generation	5.0
Front panel connector	✓	3rd M.2 largest key size	2280
ATX Power connector (24-pin)	✓	3rd M.2 highest PCI Express generation	4.0
CPU fan connector	✓	4th M.2 largest key size	2280
Number of CPU fan connectors	2	4th M.2 highest PCI Express generation	4.0
Number of chassis fan connectors	6	5th M.2 largest key size	2280
Chassis intrusion connector	✓	5th M.2 highest PCI Express generation	4.0
EPS power connector (8-pin)	✓	BIOS	
Number of EPS power connectors (8-pin)	3	BIOS type *	UEFI AMI
TPM connector	✓	BIOS memory size	512 Mbit
Number of water pump connectors	2	ACPI version	5.0
Number of temperature sensor headers	2	Clear CMOS jumper	✓
Number of noise detection headers	1	Clear CMOS button	✓
RGB LED pin header	✓	Desktop Management Interface (DMI) version	2.7
Number of RGB LED pin headers	5	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 *	7	Country of origin	Taiwan
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1	Products per shipping (inner) case	1 pc(s)
USB 3.2 Gen 2x2 Type-C ports quantity	1	Battery	
USB4 Gen 2x2 ports quantity	2	Battery weight	3 g
Ethernet LAN (RJ-45) ports *	2	Lithium weight per battery	0.07 g
HDMI ports quantity *	1	Number of battery cells	1
HDMI version	2.1	Battery capacity	220 mAh
DisplayPort version	1.4	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
Headphone outputs	1	Battery type	CR2032
Line-in	✓	Packaging data	
S/PDIF out port	✓	Package width	340 mm
Digital audio optical out	1	Package depth	310 mm
WiFi-AP antenna jack	2	Package height	92 mm
Network		Package weight	4.38 kg
Ethernet LAN	✓	Weight & dimensions	
		Width	305 mm
		Depth	244 mm
		Height	35 mm
		Packaging content	
		Batteries included	✓
		Antenna included	✓
		Screws included	✓
		Bundled software	Norton® Internet Security (OEM version)
		Other features	
		Weight	3.82 kg
		Technical details	
		Warranty period	3 year(s)



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