

GIGABYTE X870E AORUS MASTER Motherboard - Supports AMD Ryzen 9000 CPUs, 16+2+2 Phases Digital VRM, up to 8200MHz DDR5 (OC), 4xPCIe 5.0 + 4xM.2, Wi-Fi 7, 5GbE LAN, USB 3.2 Gen 2x2

Brand : GIGABYTE

Product code: X870E AORUS MASTER

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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	Ethernet LAN	✓
Processor socket *	Socket AM5	Ethernet interface type	5 Gigabit Ethernet
Compatible processor series *	AMD Ryzen™ 7	Wi-Fi *	✓
Supported processor sockets	Socket AM5	Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Maximum internal memory supported by processor	256 GB	Wi-Fi standards	Wi-Fi 7 (802.11be)
		WLAN controller model	Qualcomm QCNCM865
Memory		Features	
Supported memory types *	DDR5-SDRAM	Motherboard chipset *	AMD X870
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	Black
Supported memory clock speeds	4400,4800,5200,5600,6000,6200,6400,6600,6666,6800,7000,7200,7600,7800,8200 MHz	PC health monitoring	Fan, Temperature, Voltage
Supported memory clock speed (max)	8200 MHz	Component for *	PC
Maximum internal memory *	256 GB	Motherboard form factor *	ATX
Supported memory module capacities	1GB, 2GB, 4GB, 8GB, 12GB, 24GB, 32GB	Motherboard chipset family *	AMD
Storage controllers		Windows operating systems supported	Windows 11 x64
Supported storage drive types	HDD & SSD	Expansion slots	
Supported storage drive interfaces *	M.2, SATA III	PCI Express x4 slots	2
Number of HDDs supported	8	PCI Express x16 (Gen 5.x) slots	1
Number of storage drives supported	4	Number of M.2 (M) slots	4
RAID support	✓	BIOS	
RAID levels	0, 1, 10	BIOS type *	UEFI AMI
Graphics		BIOS memory size	256 Mbit
DirectX version	12.0	ACPI version	5.0
Internal I/O		Clear CMOS jumper	✓
USB 2.0 connectors *	2	Clear CMOS button	✓
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	Desktop Management Interface (DMI) version	2.7
USB 3.2 Gen 2x2 connectors	1	System Management BIOS (SMBIOS) version	2.7
Number of SATA III connectors *	4		
Total number of SATA connectors	4		
ATX Power connector (24-pin)	✓		
CPU fan connector	✓		
EPS power connector (8-pin)	✓		

Internal I/O		Logistics data	
RGB LED pin header	✓	Country of origin	China
Rear panel I/O ports		Products per shipping (inner) case	1 pc(s)
USB 2.0 ports quantity *	2	Battery	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Battery weight	3 g
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	4	Lithium weight per battery	0.07 g
USB4 Gen 2x2 ports quantity	2	Number of battery cells	1
Ethernet LAN (RJ-45) ports *	1	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
HDMI ports quantity *	1	Battery type	CR2032
DisplayPorts quantity	2	Packaging data	
Microphone in	✓	Package width	345 mm
S/PDIF out port	✓	Package depth	294 mm
		Package height	80 mm
Weight & dimensions			
		Width	305 mm
		Depth	244 mm
		Height	35 mm
Packaging content			
		Batteries included	✓
Technical details			
		Warranty period	3 year(s)



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