

GIGABYTE X870E AORUS MASTER Motherboard - Supports AMD Ryzen 9000 CPUs, 16+2+2 Phases Digital VRM, up to 8600MHz DDR5 (OC), 3xPCIe 5.0 + 1xPCIe 4.0, Wi-Fi 7, 5GbE LAN, USB 4

Brand : GIGABYTE

Product code: X870E AORUS MASTER

Product name : X870E AORUS MASTER Motherboard - Supports AMD Ryzen 9000 CPUs, 16+2+2 Phases Digital VRM, up to 8600MHz DDR5 (OC), 3xPCIe 5.0 + 1xPCIe 4.0, Wi-Fi 7, 5GbE LAN, USB 4



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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)
Memory Supported memory types * DDR5-SDRAM Number of memory slots * 4 Memory slots type DIMM Memory channels Dual-channel Supported memory clock speeds 4400,4800,5200,5600,6000,6200,6400,6600,6666,6800,7000,7200,7600,7800,8200,8400,8600 MHz Supported memory clock speed (max) 8600 MHz Maximum internal memory * 256 GB Supported memory module capacities 1GB, 2GB, 4GB, 8GB, 12GB, 24GB, 32GB		WLAN controller model	Qualcomm QCNCM865
Storage controllers Supported storage drive types HDD & SSD Supported storage drive interfaces * M.2, SATA III Number of HDDs supported 8 Number of storage drives supported 4 RAID support ✓ RAID levels 0, 1, 10		Features Motherboard chipset * AMD X870 Audio chip Realtek ALC1220 Audio output channels * 7.1 channels Product colour Black PC health monitoring Fan, Temperature, Voltage Component for * PC Motherboard form factor * ATX Motherboard chipset family * AMD Windows operating systems supported Windows 11 x64	
Graphics DirectX version 12.0		Expansion slots PCI Express x4 slots 2 PCI Express x16 (Gen 5.x) slots 1 Number of M.2 (M) slots 4	
Internal I/O USB 2.0 connectors * 2 USB 3.2 Gen 1 (3.1 Gen 1) connectors * 2 USB 3.2 Gen 2x2 connectors 1 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) ✓		BIOS BIOS type * UEFI AMI BIOS memory size 256 Mbit ACPI version 5.0 Clear CMOS jumper ✓ Clear CMOS button ✓ Desktop Management Interface (DMI) version 2.7 System Management BIOS (SMBIOS) version 2.7	

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
		Package weight	2.97 kg
		Weight & dimensions	
		Width	305 mm
		Depth	244 mm
		Height	35 mm
		Packaging content	
		Batteries included	✓
		Other features	
		Weight	2.54 kg
		Technical details	
		Warranty period	3 year(s)



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