

## Gigabyte X670E AORUS MASTER Motherboard - Supports AMD Ryzen 8000 Series AM5 CPUs, 16\*+2+2 Phases Digital VRM, up to 8000MHz DDR5 (OC), 2xPCIe 5.0 + 2xPCIe 4.0 M.2, Wi-Fi 6E, 2.5GbE LAN, USB 3.2 Gen2

**Brand :** Gigabyte

**Product code:** X670E AORUS MASTER

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Socket AM5, AMD X670, 4 x DDR5, Wi-Fi 6E, Bluetooth 5.3, 6 x SATA III, HDM, RJ-45, E-ATX

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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 technology.



<b>Processor</b>		<b>Rear panel I/O ports</b>	
Processor manufacturer *	AMD	HDMI version	2.0
Processor socket *	Socket AM5	S/PDIF out port	✓
Compatible processor series *	AMD Ryzen™ 7	<b>Network</b>	
Maximum number of SMP processors	1	Ethernet LAN	✓
Supported processor sockets	Socket AM5	Ethernet interface type	2.5 Gigabit Ethernet
Maximum internal memory supported by processor	192 GB	Wi-Fi *	✓
<b>Memory</b>		Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Supported memory types *	DDR5-SDRAM	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)
Number of memory slots *	4	WLAN controller model	Intel Wi-Fi 6E AX210
Memory slots type	DIMM	Bluetooth	✓
Memory channels	Dual-channel	Bluetooth version	5.3
Non-ECC	✓	<b>Features</b>	
Supported memory clock speeds	4400,4800,5200,5600,6000,6200,6400,6600,6666,6800,7000,7200,7600,7800,8000 MHz	Motherboard chipset *	AMD X670
Supported memory clock speed (max)	8000 MHz	Audio output channels *	7.1 channels
Maximum internal memory *	192 GB	Product colour	Black
<b>Storage controllers</b>		Component for *	PC
Supported storage drive types	HDD & SSD	Motherboard form factor *	ATX
Supported storage drive interfaces *	M.2, SATA II	Motherboard chipset family *	AMD
Number of HDDs supported	4	Windows operating systems supported	Windows 10 Home x64, Windows 11 x64
Number of storage drives supported	10	<b>Expansion slots</b>	
RAID levels	0, 1, 10	PCI Express x1 (Gen 4.x) slots	1
<b>Graphics</b>		PCI Express x4 (Gen 2.x) slots	1
Parallel processing technology support *	Not supported	Number of M.2 (M) slots	4
HDCP	✓	<b>BIOS</b>	
DirectX version	12.0	BIOS type *	UEFI AMI
<b>Internal I/O</b>		BIOS memory size	256 Mbit
USB 2.0 connectors *	2	ACPI version	5.0
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	Clear CMOS jumper	✓
USB 3.2 Gen 2x2 connectors	1		
Number of SATA III connectors *	6		
Total number of SATA connectors	6		

Internal I/O		BIOS	
Audio connector	✓	Desktop Management Interface (DMI) version	2.7
Front panel connector	✓	System Management BIOS (SMBIOS) version	2.7
CPU fan connector	✓	<b>Logistics data</b>	
Chassis intrusion connector	✓	Country of origin	Taiwan
RGB LED pin header	✓	Products per shipping (inner) case	1 pc(s)
Rear panel I/O ports		Battery	
USB 2.0 ports quantity *	2	Battery weight	3 g
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Lithium weight per battery	0.07 g
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	4	Number of battery cells	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
USB 3.2 Gen 2x2 Type-C ports quantity	1	Battery type	CR2032
Ethernet LAN (RJ-45) ports *	1	Packaging data	
HDMI ports quantity *	1	Package width	400 mm
		Package depth	335 mm
		Package height	430 mm
		Package weight	3.33 kg
		Weight & dimensions	
		Width	305 mm
		Depth	269 mm
		Height	35 mm
		Packaging content	
		Cables included	SATA
		Batteries included	✓
		Drivers included	✓
		Technical details	
		Warranty period	3 year(s)



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