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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.

Processor

Processor manufacturer *	AMD
Processor socket *	Socket AM5
Compatible processor series *	AMD Ryzen™ 7
Maximum number of SMP processors	1
Supported processor sockets	Socket AM5
Maximum internal memory supported by processor	192 GB

Memory

Supported memory types *	DDR5-SDRAM
Number of memory slots *	4
Memory slots type	DIMM
Memory channels	Dual-channel
Non-ECC	✓
Supported memory clock speeds	4400,4800,5200,5600,6000,6200,6400,6600,6666,6800,7000,7200,7600,7800,8000 MHz
Supported memory clock speed (max)	8000 MHz
Maximum internal memory *	192 GB

Storage controllers

Supported storage drive types	HDD & SSD
Supported storage drive interfaces *	M.2, SATA II
Number of HDDs supported	4
Number of storage drives supported	10
RAID levels	0, 1, 10

Graphics

Parallel processing technology support *	Not supported
HDCP	✓
DirectX version	12.0

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 *	6
Total number of SATA connectors	6

Rear panel I/O ports

HDMI version	2.0
S/PDIF out port	✓

Network

Ethernet LAN	✓
Ethernet interface type	2.5 Gigabit Ethernet
Wi-Fi *	✓
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
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)
WLAN controller model	Intel Wi-Fi 6E AX210
Bluetooth	✓
Bluetooth version	5.3

Features

Motherboard chipset *	AMD X670
Audio output channels *	7.1 channels
Product colour	Black
Component for *	PC
Motherboard form factor *	ATX
Motherboard chipset family *	AMD
Windows operating systems supported	Windows 10 Home x64, Windows 11 x64

Expansion slots

PCI Express x1 (Gen 4.x) slots	1
PCI Express x4 (Gen 2.x) slots	1
Number of M.2 (M) slots	4

BIOS

BIOS type *	UEFI AMI
BIOS memory size	256 Mbit
ACPI version	5.0
Clear CMOS jumper	✓

Internal I/O

Audio connector	✓
Front panel connector	✓
CPU fan connector	✓
Chassis intrusion connector	✓
RGB LED pin header	✓

Rear panel I/O ports

USB 2.0 ports quantity *	2
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	4
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
USB 3.2 Gen 2x2 Type-C ports quantity	1
Ethernet LAN (RJ-45) ports *	1
HDMI ports quantity *	1

BIOS

Desktop Management Interface (DMI) version	2.7
System Management BIOS (SMBIOS) version	2.7

Logistics data

Country of origin	Taiwan
Products per shipping (inner) case	1 pc(s)

Battery

Battery weight	3 g
Lithium weight per battery	0.07 g
Number of battery cells	1
Battery technology	Lithium-Manganese Dioxide (LiMnO2)
Battery type	CR2032

Packaging data

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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