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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

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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

Processor manufacturer *	AMD
Processor socket *	Socket AM5
Compatible processor series *	AMD Ryzen™ 7
Supported processor sockets	Socket AM5
Maximum internal memory supported by processor	256 GB

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

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

Graphics

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 *	4
Total number of SATA connectors	4
ATX Power connector (24-pin)	✓
CPU fan connector	✓
EPS power connector (8-pin)	✓

Network

Ethernet LAN	✓
Ethernet interface type	5 Gigabit Ethernet
Wi-Fi *	✓
Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Wi-Fi standards	Wi-Fi 7 (802.11be)
WLAN controller model	Qualcomm QCNCM865

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

Expansion slots

PCI Express x4 slots	2
PCI Express x16 (Gen 5.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	✓
Clear CMOS button	✓
Desktop Management Interface (DMI) version	2.7
System Management BIOS (SMBIOS) version	2.7

Internal I/O

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
USB4 Gen 2x2 ports quantity	2
Ethernet LAN (RJ-45) ports *	1
HDMI ports quantity *	1
DisplayPorts quantity	2
Microphone in	✔
S/PDIF out port	✔

Logistics data

Country of origin	China
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	345 mm
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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