

# GIGABYTE X870E AORUS PRO ICE motherboard

Artikel

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Herstellernummer

X870E AORUS PRO ICE

EAN

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GIGABYTE



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

## Zusammenfassung

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GIGABYTE X870E AORUS PRO ICE Motherboard - Supports AMD Ryzen 9000 CPUs, 16+2+2 Phases Digital VRM, up to 8000MHz DDR5 (OC), 3xPCIe 5.0 + 1xPCIe 4.0, Wi-Fi 7, 2.5GbE LAN, USB 4, AMD, Socket AM5, AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series, Socket AM5, 256 GB, DDR5-SDRAM

GIGABYTE X870E AORUS PRO ICE Motherboard - Supports AMD Ryzen 9000 CPUs, 16+2+2 Phases Digital VRM, up to 8000MHz DDR5 (OC), 3xPCIe 5.0 + 1xPCIe 4.0, Wi-Fi 7, 2.5GbE LAN, USB 4. Processor manufacturer: AMD, Processor socket: Socket AM5, Compatible processor series: AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series. Supported memory types: DDR5-SDRAM, Maximum internal memory: 256 GB, Memory slots type: DIMM. Supported storage drive interfaces: M.2, SATA III, Supported storage drive types: HDD & SSD, RAID levels: 0, 1, 10. Ethernet interface type: 2.5 Gigabit Ethernet, LAN controller: Realtek RTL8125, Top Wi-Fi standard: Wi-Fi 7 (802.11be). Component for: PC, Motherboard form factor: ATX, Motherboard chipset family: AMD

## Merkmale

### Other features

Weight 2.4 kg

### Technical details

Warranty period 3 year(s)

### Storage controllers

Supported storage drive types	HDD & SSD
Supported storage drive interfaces	M.2, SATA III
Number of HDDs supported	4
Number of storage drives supported	8
RAID support	Yes
RAID levels	0, 1, 10

## Logistics data

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

## Graphics

Parallel processing technology support	Not supported
On-board graphics card	No
DirectX version	12.0

## Weight & dimensions

Width	305 mm
Depth	244 mm
Height	35 mm

## Packaging content

Batteries included	Yes
Antenna included	Yes
Screws included	Yes
Bundled software	Norton® Internet Security (OEM version) LAN bandwidth management software

## Packaging data

Package width	345 mm
Package depth	294 mm
Package height	80 mm
Package weight	2.74 kg

## 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

## Processor

Processor manufacturer	AMD
Processor socket	Socket AM5
Compatible processor series	AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series
Supported processor sockets	Socket AM5
Maximum internal memory supported by processor	256 GB

## BIOS

BIOS type	UEFI AMI
BIOS memory size	256 Mbit
ACPI version	5.0
Clear CMOS jumper	Yes
Clear CMOS button	Yes
Desktop Management Interface (DMI) version	2.7
System Management BIOS (SMBIOS) version	2.7

## Features

Motherboard chipset	AMD X870E
Audio chip	Realtek ALC1220
Audio output channels	7.1 channels
Product colour	White
PC health monitoring	Fan, Temperature, Voltage
Component for	PC
Motherboard form factor	ATX
Motherboard chipset family	AMD
Windows operating systems supported	Windows 11 x64

## Network

Ethernet LAN	Yes
Ethernet interface type	2.5 Gigabit Ethernet
LAN controller	Realtek RTL8125
Wi-Fi	Yes
Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Wi-Fi standards	Wi-Fi 7 (802.11be)
WLAN controller model	Qualcomm QCNM865
Bluetooth	Yes
Bluetooth version	5.3

## Memory

Supported memory types	DDR5-SDRAM
Number of memory slots	4
Memory slots type	DIMM
Memory channels	Dual-channel
ECC compatibility	Non-ECC
Supported memory clock speeds	4400,4800,5600,6000,6200,6400,6600,6800,7000,7600,7800,8000,8200 MHz
Supported memory clock speed (max)	8200 MHz
Maximum internal memory	256 GB
Supported memory module capacities	1GB, 2GB, 4GB, 8GB, 12GB, 24GB, 32GB
Unbuffered memory	Yes
Maximum internal memory per slot	64 GB

## Rear panel I/O ports

USB 2.0 ports quantity	2
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USB 3.2 Gen 1 (3.1 Gen 1) Type-4 A ports quantity	
USB 3.2 Gen 2 (3.1 Gen 2) Type-3 A ports quantity	
USB4 Gen 2x2 ports quantity	2
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity	1
HDMI version	2.1
DisplayPort version	1.4
Headphone outputs	1
Microphone in	Yes
S/PDIF out port	Yes
WiFi-AP antenna jack	2

## Expansion slots

PCI Express x4 slots	2
PCI Express x16 (Gen 3.x) slots	1
PCI Express x16 (Gen 4.x) slots	1
PCI Express x16 (Gen 5.x) slots	1
Number of M.2 (M) slots	4
1st M.2 largest key size	25110
1st M.2 highest PCI Express generation	5.0
2nd M.2 largest key size	22110
2nd M.2 highest PCI Express generation	5.0
3rd M.2 largest key size	22110
3rd M.2 highest PCI Express generation	5.0
4th M.2 largest key size	22110
4th M.2 highest PCI Express generation	4.0

## 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
Audio connector	Yes
Front panel audio connector	Yes
ATX Power connector (24-pin)	Yes
CPU fan connector	Yes
Number of CPU fan connectors	2
Number of chassis fan connectors	6
EPS power connector (8-pin)	Yes
Number of EPS power connectors (8-pin)	2
TPM connector	Yes
Number of water pump connectors	2
RGB LED pin header	Yes
Number of RGB LED pin headers	4