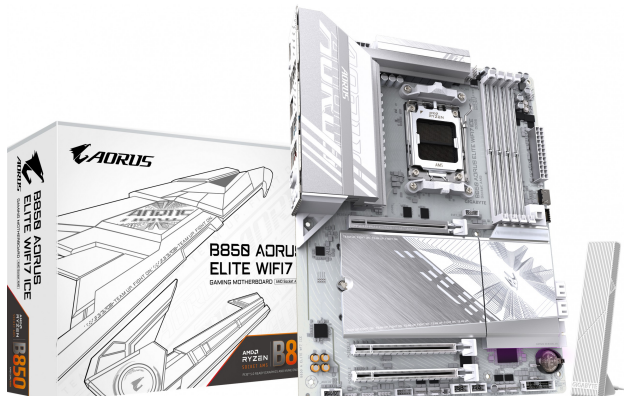


GIGABYTE B850 AORUS ELITE WIFI7 ICE

Artikel	865461
Herstellernummer	B850 A ELITE WF7 ICE
EAN	4719331866099
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 B850 AORUS ELITE WIFI7 ICE Motherboard - AMD Ryzen 9000 Series CPUs, 12+2+1 Phases Digital VRM, up to 8200MHz DDR5 (OC), 1xPCIe 5.0 + 2xPCIe 4.0 M.2, 2.5 LAN, WIFI 7, USB 3.2 Gen 2x2, AMD, Socket AM5, AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series, Socket AM5, DDR5-SDRAM, 256 GB

GIGABYTE B850 AORUS ELITE WIFI7 ICE Motherboard - AMD Ryzen 9000 Series CPUs, 12+2+1 Phases Digital VRM, up to 8200MHz DDR5 (OC), 1xPCIe 5.0 + 2xPCIe 4.0 M.2, 2.5 LAN, WIFI 7, USB 3.2 Gen 2x2. 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. Maximum resolution: 4096 x 2160 pixels. Ethernet interface type: 2.5 Gigabit Ethernet, Top Wi-Fi standard: Wi-Fi 7 (802.11be), 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...

Merkmale

Other features

Weight 2.16 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	7
RAID support	Yes
RAID levels	0, 1, 10

Logistics data

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

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	335 mm
Package depth	270 mm
Package height	80 mm
Package weight	2.46 kg

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

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

Graphics

Parallel processing technology support	Not supported
On-board graphics card	No
Maximum resolution	4096 x 2160 pixels
HDCP	Yes
DirectX version	12.0

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

Expansion slots

PCI Express x16 (Gen 4.x) slots	2
Number of M.2 (M) slots	3
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	4.0
3rd M.2 largest key size	22110
3rd M.2 highest PCI Express generation	4.0

Network

Ethernet LAN	Yes
Ethernet interface type	2.5 Gigabit Ethernet
Wi-Fi	Yes
Top Wi-Fi standard	Wi-Fi 7 (802.11be)
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), Wi-Fi 7 (802.11be)
WLAN controller model	Realtek RTL8922AE
Bluetooth	Yes
Bluetooth version	5.4

Features

Motherboard chipset	AMD B850
Audio chip	Realtek ALC897
Audio output channels	7.1 channels
Product colour	Brown, White
PC health monitoring	Fan, Temperature, Voltage, Water cooling
Component for	PC
Motherboard form factor	ATX
Motherboard chipset family	AMD
Power source type	ATX
Windows operating systems supported	Windows 10 x64, Windows 11 x64

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	4400,4800,5200,5600,5800,6000,6200,6600,6800,7000,7200,7400,7600,7900,7950,8000,8200 MHz
Supported memory clock speed (max)	8200 MHz
Maximum internal memory	256 GB
Unbuffered memory	Yes
Maximum internal memory per slot	64 GB

Rear panel I/O ports

USB 2.0 ports quantity	4
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity	1
HDMI version	1.4
DisplayPorts quantity	1
DisplayPort version	1.4
Headphone outputs	1
Microphone in	Yes
WiFi-AP antenna jack	2

Internal I/O

USB 2.0 connectors	2
USB 3.2 Gen 1 (3.1 Gen 1) connectors	1
USB 3.2 Gen 2x2 connectors	1
Number of SATA III connectors	4
Total number of SATA connectors	4
Front panel audio connector	Yes
Front panel connector	Yes
ATX Power connector (24-pin)	Yes
CPU fan connector	Yes
Number of CPU fan connectors	2
Number of chassis fan connectors	3
Peripheral (Molex) power connectors (4-pin)	1
EPS power connector (8-pin)	Yes
Number of EPS power connectors (8-pin)	1
TPM connector	Yes
Serial port headers	1
12V power connector	Yes
Number of water pump connectors	2
RGB LED pin header	Yes
Number of RGB LED pin headers	4