GIGABYTE

GIGABYTE B650M AORUS ELITE AX ICE Motherboard

Brand : GIGABYTE

Product code: B650M AORUS ELITE AX ICE

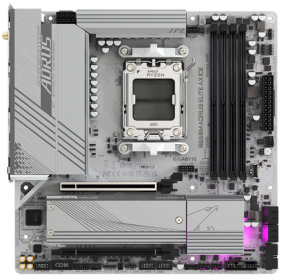
Product name : B650M AORUS ELITE AX ICE Motherboard



AMD Ryzen 9000 Series CPUs, 12+2+2 Phases VRM, up to 8000MHz DDR5 (OC), 1xPCIe 5.0 + 1xPCIe 4.0 M.2, 2.5GbE LAN, WIFI 6E, USB 3.2 Gen 2x2

GIGABYTE B650M AORUS ELITE AX ICE Motherboard:

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 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series
Supported processor sockets	Socket AM5

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	4400,4800,5200,5600,6000,6200,6400,6600,6666,6800,7000,7200,7600,7800,8000 MHz
Supported memory clock speed (max)	8000 MHz
Maximum internal memory *	256 GB
Unbuffered memory	✔
Maximum internal memory per slot	64 GB

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	6
RAID support	✔
RAID levels	0, 1, 10

Graphics

Parallel processing technology support *	Not supported
Maximum resolution	4096 x 2304 pixels
HDCP	✔
DirectX version	12.0
Discrete graphics support	✔

Internal I/O

USB 2.0 connectors *	2
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1

Rear panel I/O ports

S/PDIF out port	✔
Digital audio optical out	1
WiFi-AP antenna jack	2

Network

Ethernet LAN	✔
Ethernet interface type	2.5 Gigabit Ethernet
LAN controller	Realtek RTL8125
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	Realtek RTL8852CE
Bluetooth	✔
Bluetooth version	5.3

Features

Motherboard chipset *	AMD B650
Audio chip	Realtek ALC897
Audio output channels *	7.1 channels
Product colour	White
PC health monitoring	Fan, Temperature, Voltage, Water cooling
Component for *	PC
Motherboard form factor *	micro ATX
Motherboard chipset family *	AMD
Power source type	ATX
Windows operating systems supported	Windows 10 x64, Windows 11 x64

Expansion slots

PCI Express x16 (Gen 4.x) slots	2
Number of M.2 (M) slots	2
1st M.2 largest key size	25110

Internal I/O	
USB 3.2 Gen 2x2 connectors	1
Number of SATA III connectors *	4
Front panel audio connector	✔
Front panel connector	✔
ATX Power connector (24-pin)	✔
CPU fan connector	✔
Number of CPU fan connectors	2
Number of chassis fan connectors	4
TPM connector	✔
Serial port headers	1
12V power connector	✔
Number of water pump connectors	2
RGB LED pin header	✔
Number of RGB LED pin headers	5

Rear panel I/O ports	
USB 2.0 ports quantity *	4
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	5
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
Ethernet LAN (RJ-45) ports *	1
HDMI ports quantity *	1
HDMI version	2.1
DisplayPorts quantity	1
DisplayPort version	1.4
Headphone outputs	1
Line-in	✔

Expansion slots	
1st M.2 highest PCI Express generation	5.0
2nd M.2 largest key size	25110
2nd M.2 highest PCI Express generation	4.0

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

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 capacity	220 mAh
Battery technology	Lithium-Manganese Dioxide (LiMnO2)
Battery type	CR2032

Packaging data	
Package width	270 mm
Package depth	268 mm
Package height	68 mm
Package weight	1.89 kg

Weight & dimensions	
Width	244 mm
Depth	244 mm
Height	35 mm

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

Technical details	
Warranty period	3 year(s)

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Catalog Object Cloud

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