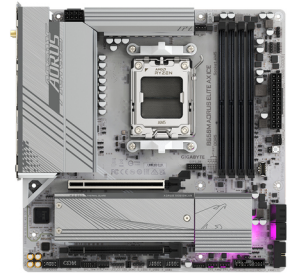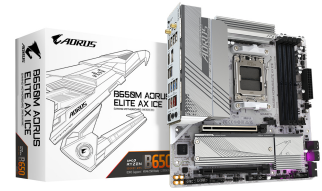**GIGABYTE**

Gigabyte B650M AORUS ELITE AX ICE motherboard AMD B650 Socket AM5 micro ATX

Brand : Gigabyte

Product name : B650M AORUS ELITE AX ICE

Product code: B650M AORUS ELITE AX ICE

- AMD Socket AM5|Supports AMD Ryzen™ 7000 Series Processors
- Unparalleled Performance|Twin 12+2+2 Phases Digital VRM Solution
- Dual Channel DDR5|4*DIMMs with AMD EXPO™ & Intel® XMP Memory Module Support
- Superfast Storage|1* PCIe 5.0 x4 and 1* PCIe 4.0 x4 M.2 Connector
- Advanced Thermal Design & M.2 Thermal Guard |To Ensure VRM Power Stability & 25110 M.2 SSD Performance
- EZ-Latch|PCIe x16 Slot & M.2 Connectors with Quick Release & Screwless Design
- Fast Networks|2.5GbE LAN & Wi-Fi 6E
- Extended Connectivity|HDMI, DP, Front USB-C® 20Gb/s, Rear USB-C® 10Gb/s
- Smart Fan 6|Features Multiple Temperature Sensors, Hybrid Fan Headers with FAN STOP
- Q-Flash Plus|Update BIOS Without Installing the CPU, Memory and Graphics Card
AMD B650, Socket AM5, 4 x DDR5, 1 x HDMI, 1 x DisplayPort, Wi-Fi, ATX

Processor

Processor manufacturer *	AMD
Processor socket *	Socket AM5
Compatible processor series *	AMD Ryzen™ 7
Maximum number of SMP processors	1

Memory

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

Storage controllers

Supported storage drive types	HDD & SSD
Supported storage drive interfaces *	M.2, SATA III
RAID support	✔
RAID levels	0, 1, 5, 10

Graphics

HDCP	✔

Internal I/O

USB 2.0 connectors *	2
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1
Number of SATA III connectors *	4
Front panel audio connector	✔
Front panel connector	✔
ATX Power connector (24-pin)	✔

Rear panel I/O ports

USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
USB 3.2 Gen 2x2 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
WiFi-AP antenna jack	2

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)
WLAN controller model	Realtek RTL8852CE
Bluetooth	✔
Bluetooth version	5.3

Features

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

BIOS

BIOS type *	UEFI AMI

Internal I/O

CPU fan connector	✔
Number of chassis fan connectors	4
Thunderbolt headers	2
12V power connector	✔
RGB LED pin header	✔

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

BIOS

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

Weight & dimensions

Width	244 mm
Depth	244 mm

Packaging content

Cables included	SATA
Drivers included	✔

4719331859336

Publication date: 03-FEB-2024. Prints or copies of Information are only valid on the printed Publication date