

## Gigabyte B650 AORUS ELITE AX 1.0 AMD B650 Socket AM5 ATX

**Brand :** Gigabyte

**Product code:** B650 AORUS ELITE AX

**Product name :** B650 AORUS ELITE AX 1.0

- AMD Socket AM5 Supports AMD Ryzen™ 7000 Series Processors
- Unparalleled Performance Twin 14\*+2+1 Phases Digital VRM Solution
- Dual Channel DDR5 4\*SMD DIMMs with AMD EXPO™ & Intel® XMP Memory Module Support
- Next Generation Storage 1\*PCIe 5.0 x4 and 2\*PCIe 4.0 x4 M.2 Connectors
- Fully Covered Heatpipe & M.2 Thermal Guard To Ensure VRM Power Stability & 25110 PCIe 5.0 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 802.11ax
- Extended Connectivity DP, HDMI, Rear USB-C® 10Gb/s, Front USB-C® 20Gb/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 Socket AM5, AMD B650, 4 x DDR5 DIMM, HDMI, 2.5GbE LAN, Wi-Fi 6E RZ616, Bluetooth 5.2, ATX, 305 x 244mm



Processor		Rear panel I/O ports	
Processor manufacturer *	AMD	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	1
Processor socket *	Socket AM5	USB 3.2 Gen 2x2 Type-C ports quantity	1
Compatible processor series *	AMD Ryzen™ 7	Ethernet LAN (RJ-45) ports *	1
Maximum number of SMP processors	1	HDMI ports quantity *	1
Memory		HDMI version	2.1
Supported memory types *	DDR5-SDRAM	DisplayPorts quantity	1
Number of memory slots *	4	DisplayPort version	1.4
Memory slots type	DIMM	WiFi-AP antenna jack	2
Memory channels	Dual-channel	Network	
ECC	✓	Ethernet LAN	✓
Non-ECC	✓	Ethernet interface type	2.5 Gigabit Ethernet
Supported memory clock speeds	4400,4800,5200,5600,6000,6200,6400,6600 MHz	Wi-Fi *	✓
Maximum internal memory *	128 GB	Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Unbuffered memory	✓	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)
Storage controllers		WLAN controller model	AMD RZ616
Supported storage drive types	HDD & SSD	Bluetooth	✓
Supported storage drive interfaces *	M.2, SATA III	Bluetooth version	5.2
RAID support	✓	Features	
RAID levels	0, 1, 5, 10	Motherboard chipset *	AMD B650
Graphics		Audio output channels *	7.1 channels
HDCP	✓	Product colour	Black
Internal I/O		PC health monitoring	Fan, Temperature, Voltage
USB 2.0 connectors *	2	Component for *	PC
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	Motherboard form factor *	ATX
Number of SATA III connectors *	4	Motherboard chipset family *	AMD
Front panel audio connector	✓	Windows operating systems supported	Windows 10 x64, Windows 11 x64
Front panel connector	✓	BIOS	
ATX Power connector (24-pin)	✓	BIOS type *	UEFI AMI
CPU fan connector	✓		
Number of chassis fan connectors	4		

Internal I/O		BIOS	
Thunderbolt headers	2	BIOS memory size	256 Mbit
12V power connector	✓	ACPI version	5.0
RGB LED pin header	✓	Clear CMOS jumper	✓
Rear panel I/O ports		Desktop Management Interface (DMI) version	2.7
USB 2.0 ports quantity *	4	System Management BIOS (SMBIOS) version	2.7
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Weight & dimensions	
		Width	305 mm
		Depth	244 mm
		Packaging content	
		Cables included	SATA
		Drivers included	✓



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