



## GIGABYTE B650 AORUS ELITE AX V2 Motherboard - Supports AMD AM5 CPUs, 12+2+2 Phases Digital VRM, up to 8000MHz DDR5 (OC), 1xPCIe 5.0 + 2xPCIe 4.0 M.2, Wi-Fi 6E, 2.5GbE LAN, USB 3.2 Gen 2



**Brand :** GIGABYTE

**Product code:** B650 AORUS ELITE AX V2

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ATX, Socket AM5, AMD B650, 4 x DDR5, 2.5GbE LAN, Wi-Fi 6E

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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 technology.



Processor		Rear panel I/O ports	
Processor manufacturer *	AMD	Microphone in	✓
Processor socket *	Socket AM5	S/PDIF out port	✓
Compatible processor series *	AMD Ryzen™ 7	Digital audio optical out	1
Maximum number of SMP processors	1	WiFi-AP antenna jack	2
Supported processor sockets	Socket AM5	USB connector type	USB Type-A, USB Type-C
Maximum internal memory supported by processor	192 GB	Network	
Memory		Ethernet LAN	✓
Supported memory types *	DDR5-SDRAM	Ethernet interface type	2.5 Gigabit Ethernet
Number of memory slots *	4	LAN controller	Realtek RTL8125
Memory slots type	DIMM	Wi-Fi *	✓
Memory channels	Dual-channel	Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Non-ECC	✓	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)
Supported memory clock speeds	4400,4800,5200,5600,6000,6200,6400,6600,6666,6800,7000,7200,7600,7800,8000 MHz	WLAN controller model	Realtek RTL8852CE
Maximum internal memory *	192 GB	Bluetooth	✓
Supported memory module capacities	1GB, 2GB, 4GB, 8GB, 12GB, 16GB, 32GB, 48GB	Bluetooth version	5.3
Unbuffered memory	✓	Features	
Storage controllers		Motherboard chipset *	AMD B650
Supported storage drive types	HDD & SSD	Audio chip	Realtek ALC897
Supported storage drive interfaces *	M.2, SATA III	Audio output channels *	7.1 channels
Number of HDDs supported	4	Product colour	Black
Number of storage drives supported	7	PC health monitoring	Fan, Noise, Temperature, Voltage, Water cooling
RAID support	✓	Component for *	PC
RAID levels	0, 1, 10	Motherboard form factor *	ATX
Graphics		Motherboard chipset family *	AMD
Parallel processing technology support *	Not supported	Windows operating systems supported	Windows 10 x64, Windows 11 x64
Maximum resolution	7680 x 4320 pixels	Expansion slots	
HDCP	✓	PCI Express x16 (Gen 3.x) slots	2
DirectX version	12.0	PCI Express x16 (Gen 4.x) slots	1
Discrete graphics support	✓		
Internal I/O			
USB 2.0 connectors *	2		

<b>Internal I/O</b>		<b>Expansion slots</b>	
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	Number of M.2 (M) slots	3
USB 3.2 Gen 2x2 connectors	1	<b>BIOS</b>	
Number of SATA III connectors *	4	BIOS type *	UEFI AMI
Total number of SATA connectors	4	BIOS memory size	256 Mbit
Front panel audio connector	✓	ACPI version	5.0
Front panel connector	✓	Clear CMOS jumper	✓
ATX Power connector (24-pin)	✓	Clear CMOS button	✓
Number of EATX power connectors	2	Desktop Management Interface (DMI) version	2.7
CPU fan connector	✓	System Management BIOS (SMBIOS) version	2.7
EPS power connector (8-pin)	✓	<b>Logistics data</b>	
TPM connector	✓	Country of origin	China
12V power connector	✓	Products per shipping (inner) case	1 pc(s)
RGB LED pin header	✓	<b>Battery</b>	
<b>Rear panel I/O ports</b>		Battery weight	3 g
USB 2.0 ports quantity *	4	Lithium weight per battery	0.07 g
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	5	Number of battery cells	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1	Battery type	CR2032
Ethernet LAN (RJ-45) ports *	1	<b>Packaging data</b>	
HDMI ports quantity *	1	Package width	335 mm
HDMI version	2.1	Package depth	270 mm
Headphone outputs	1	Package height	80 mm
		Package weight	2.01 kg
		<b>Weight &amp; dimensions</b>	
		Width	305 mm
		Depth	244 mm
		Height	35 mm
		<b>Packaging content</b>	
		Cables included	SATA
		Batteries included	✓
		Antenna included	✓
		Bundled software	Norton® Internet Security (OEM version) LAN bandwidth management software
		<b>Technical details</b>	
		Warranty period	3 year(s)



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