

## GIGABYTE B650E AORUS PRO X USB4 Motherboard - Supports AMD AM5 CPUs, 16+2+2 Digital VRM, up to 8000MHz DDR5 (OC), 4xPCIe 5.0 M2, Wi-Fi 7, 2.5GbE LAN, USB 3.2 Gen 2 2x2



**Brand :** GIGABYTE

**Product code:** B650E AORUS PRO X USB4

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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



<b>Processor</b>		<b>Rear panel I/O ports</b>	
Processor manufacturer *	AMD	S/PDIF out port	✓
Processor socket *	Socket AM5	Digital audio optical out	1
Compatible processor series *	AMD Ryzen™ 7	WiFi-AP antenna jack	2
Maximum number of SMP processors	1	USB connector type	USB Type-A, USB Type-C
Supported processor sockets	Socket AM5	<b>Network</b>	
Maximum internal memory supported by processor	192 GB	Ethernet LAN	✓
<b>Memory</b>		Ethernet interface type	2.5 Gigabit Ethernet
Supported memory types *	DDR5-SDRAM	Wi-Fi *	✓
Number of memory slots *	4	Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Memory slots type	DIMM	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)
Memory channels	Dual-channel	Bluetooth	✓
Non-ECC	✓	Bluetooth version	5.4
Supported memory clock speeds	4400,4800,5200,5600,6000,6200,6400,6600,6666,6800,7000,7200,7600,7800,8000 MHz	<b>Features</b>	
Supported memory clock speed (max)	8000 MHz	Motherboard chipset *	AMD B650
Maximum internal memory *	192 GB	Audio chip	Realtek ALC1220-VB
<b>Storage controllers</b>		Audio output channels *	7.1 channels
Supported storage drive types	HDD & SSD	Product colour	Black
Supported storage drive interfaces *	M.2, SATA III	PC health monitoring	Fan, Noise, Temperature, Voltage, Water cooling
Number of HDDs supported	4	Component for *	PC
Number of storage drives supported	8	Motherboard form factor *	ATX
RAID support	✓	Motherboard chipset family *	AMD
RAID levels	0, 1, 10	Windows operating systems supported	Windows 10 x64, Windows 11 x64
<b>Graphics</b>		<b>Expansion slots</b>	
Parallel processing technology support *	Not supported	PCI Express x16 (Gen 4.x) slots	2
Maximum resolution	7680 x 4320 pixels	PCI Express x16 (Gen 5.x) slots	1
HDCP	✓	Number of M.2 (M) slots	4
DirectX version	12.0	<b>BIOS</b>	
Discrete graphics support	✓	BIOS type *	UEFI AMI
<b>Internal I/O</b>			
USB 2.0 connectors *	2		
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1		

Internal I/O		BIOS	
USB 3.2 Gen 2x2 connectors	1	BIOS memory size	256 Mbit
Number of SATA III connectors *	4	ACPI version	5.0
Total number of SATA connectors	4	Clear CMOS jumper	✓
Front panel audio connector	✓	Clear CMOS button	✓
Front panel connector	✓	Desktop Management Interface (DMI) version	2.7
ATX Power connector (24-pin)	✓	System Management BIOS (SMBIOS) version	2.7
CPU fan connector	✓	<b>Logistics data</b>	
Number of chassis fan connectors	8	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 *	4	Number of battery cells	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	4	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	270 mm
HDMI version	2.1	Package depth	335 mm
Headphone outputs	1	Package height	80 mm
Microphone in	✓	Package weight	2.61 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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