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Gigabyte B650 AORUS PRO AX Motherboard - Supports AMD Ryzen 8000 CPUs, 16*+2+1 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 PRO AX

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ATX, Socket AM5, AMD B650 chipset, 4x DDR5 DIMM, Wi-Fi 6E, AMI UEFI BIOS

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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	HDMI version	2.1	
Processor socket *		Socket AM5	Headphone outputs	2	
Compatible processor series *		AMD Ryzen™ 5, AMD Ryzen 7 7th Gen, AMD Ryzen 9 7th Gen	Microphone in S/PDIF out port	4	
Supported processor sockets		Socket AM5	WiFi-AP antenna jack	2	
Maximum internal memory supported by processor		192 GB	USB connector type	USB Type-A, USB Type-C	
Memory			Network		
Supported memory types * Number of memory slots * Memory slots type Memory channels Non-ECC	DDR5-SDRAM 4 DIMM Dual-channel		Ethernet LAN Ethernet interface type Wi-Fi *	✓ 2.5 Gigabit Ethernet ✓	
Supported memory clock speeds	4400,4800,5200,5600,6000,6200,6400,6600,6666,6800,7000,7200,7600,7800,8000 MHz		Top Wi-Fi standard	Wi-Fi 6E (802.11ax)	
Supported memory clock speed (max) Maximum internal memory * Supported memory module capacities	8000 MHz 192 GB 1GB, 2GB, 4GB, 8GB,	12GB, 16GB, 32GB, 48GB	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)	
Unbuffered memory			WLAN controller model	AMD RZ616	
Storage controllers			Bluetooth	1	
Supported storage drive types		HDD & SSD	Bluetooth version	5.2	
Supported storage drive interfaces *		5.0, SATA III 4	Features		
Number of HDDs supported			Motherboard chipset *	AMD B650	
Number of storage drives supported			Audio chip	Realtek ALC1220-VB	
RAID support			Audio output channels *	7.1 channels	
RAID levels			Product colour	Black	
Graphics		0, 1, 10	PC health monitoring	Fan, Noise, Temperature, Voltage, Water cooling	
Parallel processing technology			Component for *	PC	
support *		Crossfire	Motherboard form factor *	ATX	
Maximum resolution		4096 x 2160 pixels	Motherboard chipset family *	AMD	
HDCP		4	Power source type	ATX	
DirectX version		12.0	Windows operating systems supported	Windows 10 x64, Windows 11 x64	
Internal I/O			Expansion slots		
USB 2.0 connectors *		2	•	-	
			PCI Express x1 slots	1	



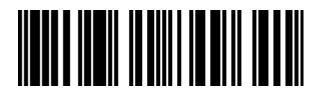


Internal I/O

USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1			
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1			
Number of SATA III connectors *	4			
Front panel audio connector	1			
Front panel connector	1			
ATX Power connector (24-pin)	1			
CPU fan connector	1			
EPS power connector (8-pin)	1			
TPM connector	1			
Serial port headers				
Thunderbolt headers	1			
12V power connector	1			
RGB LED pin header	1			
Rear panel I/O ports				
USB 2.0 ports quantity *	4			
USB 3.2 Gen 1 (3.1 Gen 1) Type-A	4			

ports quantity *	4
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	3
Ethernet LAN (RJ-45) ports *	1
HDMI ports quantity *	1

Expansion slots	
PCI Express x16 slots	2
Number of M.2 (M) slots	3
BIOS	
BIOS type * BIOS memory size ACPI version Clear CMOS jumper Desktop Management Interface (DMI) version System Management BIOS	UEFI AMI 256 Mbit 5.0 ✓ 2.7 2.7
(SMBIOS) version	2.7
Logistics data	
Country of origin Products per shipping (inner) case	Taiwan 1 pc(s)
Battery	
Battery weight Lithium weight per battery Number of battery cells	3 g 0.07 g 1
Battery technology	Lithium-Manganese Dioxide (LiMnO2)
Battery type	CR2032
Packaging data	
Package width Package depth Package height Package weight	335 mm 270 mm 80 mm 2.53 kg
Weight & dimensions	
Width Depth Height	305 mm 244 mm 35 mm
Packaging content	
Cables included Batteries included Bundled software	SATA ✓ Norton Internet Security
Technical details	
Warranty period	3 year(s)



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