

Gigabyte X670E AORUS PRO X motherboard AMD X670 Socket AM5 ATX

Brand : Gigabyte

Product code: X670E AORUS PRO X

Product name : X670E AORUS PRO X

- AMD Socket AM5: Supports AMD Ryzen™ 7000 Series Processors
 - Digital twin 16+2+2 phases VRM solution
 - Dual Channel DDR5: 4*DIMMs with AMD EXPO™ & Intel® XMP Memory Module Support
 - PCIe UD Slot X: PCIe 5.0 x16 slot with 10X strength for graphics card
 - EZ-Latch Click: M.2 heatsinks with screwless design
 - EZ-Latch Plus: M.2 slots with Quick Release & Screwless Design
 - Sensor Panel Link: Onboard video port for hassle-free in-chassis panel setup
 - UC BIOS: User-Centred intuitive UX with Quick Access function
 - Ultra-Fast Storage: 4*M.2 slots, including 2* PCIe 5.0 x4
 - Efficient Overall Thermal: VRM Thermal Armor Advanced & M.2 Thermal Guard XL
- ATX, Socket AM5, AMD X670 chipset, 4x DDR5 DIMM, 7.1-channel audio, LAN 2.5 Gb, Wi-Fi 7, Bluetooth 5.3, AMI UEFI BIOS



Processor		Rear panel I/O ports	
Processor manufacturer *	AMD	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4
Processor socket *	Socket AM5	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	3
Compatible processor series *	AMD Ryzen 5 7th gen, AMD Ryzen 7 7th Gen, AMD Ryzen 9 7th Gen	USB 3.2 Gen 2x2 Type-C ports quantity	1
Supported processor sockets	Socket AM5	Ethernet LAN (RJ-45) ports *	1
Memory		HDMI ports quantity *	1
Supported memory types *	DDR5-SDRAM	HDMI version	2.1
Number of memory slots *	4	Headphone outputs	3
Memory slots type	DIMM	Microphone in	✓
Memory channels	Dual-channel	WiFi-AP antenna jack	2
Non-ECC	✓	USB connector type	USB Type-A, USB Type-C
Supported memory clock speeds	4400,4800,5200,5600,6000,6200,6400,6600,6666,6800,7000,7200,7600,7800,8000 MHz	Network	
Supported memory clock speed (max)	8000 MHz	Ethernet LAN	✓
Maximum internal memory *	192 GB	Ethernet interface type	2.5 Gigabit Ethernet
Unbuffered memory	✓	Wi-Fi *	✓
Storage controllers		Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Supported storage drive types	HDD & SSD	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), Wi-Fi 7 (802.11be)
Supported storage drive interfaces *	M.2, PCI Express 4.0, PCI Express 5.0, SATA III	Bluetooth	✓
Number of storage drives supported	8	Bluetooth version	5.3
RAID support	✓	Features	
RAID levels	0, 1, 10	Motherboard chipset *	AMD X670
Graphics		Audio output channels *	7.1 channels
Parallel processing technology support *	Not supported	Product colour	White
Maximum resolution	4096 x 2160 pixels	PC health monitoring	Fan, Temperature, Voltage, Water cooling
HDCP	✓	Component for *	PC
Internal I/O		Motherboard form factor *	ATX
USB 2.0 connectors *	2	Motherboard chipset family *	AMD
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2		
USB 3.2 Gen 2x2 connectors	1		
Number of SATA III connectors *	4		
Front panel audio connector	✓		
Front panel connector	✓		

Internal I/O		Features	
ATX Power connector (24-pin)	✓	Windows operating systems supported	Windows 11 x64
CPU fan connector	✓	Expansion slots	
EPS power connector (8-pin)	✓	PCI Express x16 slots	3
TPM connector	✓	Number of M.2 (M) slots	4
12V power connector	✓	BIOS	
RGB LED pin header	✓	BIOS type *	UEFI AMI
Rear panel I/O ports		BIOS memory size	256 Mbit
USB 2.0 ports quantity *	4	ACPI version	5.0
		Clear CMOS jumper	✓
		Clear CMOS button	✓
		Desktop Management Interface (DMI) version	2.7
		System Management BIOS (SMBIOS) version	2.7
		Weight & dimensions	
		Width	305 mm
		Depth	244 mm
		Packaging content	
		Cables included	SATA
		Bundled software	Norton Internet Security



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