

GIGABYTE Z790 AORUS PRO X WIFI7 Motherboard - Supports Intel Core 14th Gen CPUs, 18+1+2 phases VRM, up to 8266MHz DDR5 (OC), 1xPCIe 5.0 + 4xPCIe 4.0 M.2, Wi-Fi 7, 5GbE LAN, USB 3.2 Gen 2



Brand : GIGABYTE

Product code: Z790 A PRO X WIFI7

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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



Processor		Rear panel I/O ports	
Processor manufacturer *	Intel	Headphone outputs	1
Processor socket *	LGA 1700	Microphone in	✓
Compatible processor series *	Intel® Celeron®, Intel® Core™ i3,	S/PDIF out port	✓
	Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel® Pentium® Gold	WiFi-AP antenna jack	2
Maximum number of SMP processors	1	USB connector type	USB Type-A, USB Type-C
Supported processor sockets	LGA 1700	Network	
Maximum internal memory supported by processor	192 GB	Ethernet LAN	✓
		Ethernet interface type	5 Gigabit Ethernet
Memory		Wi-Fi *	✓
Supported memory types *	DDR5-SDRAM	Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Number of memory slots *	4	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)
Memory slots type	DIMM		WLAN controller model
Memory channels	Dual-channel	Bluetooth	✓
ECC compatibility	ECC & Non-ECC	Bluetooth version	5.3
Supported memory clock speeds	4000,4800,5200,5400,5600,5800,6000,6200,6400,6600,6800,7000,7200,7400,7600,7800,7900,7950,8000,8200,8266 MHz	Features	
Supported memory clock speed (max)	8266 MHz	Motherboard chipset *	Intel Z790 Express
Maximum internal memory *	192 GB	Audio chip	Realtek ALC897
Unbuffered memory	✓	Audio output channels *	7.1 channels
Storage controllers		Product colour	Black
Supported storage drive types	HDD & SSD	PC health monitoring	Fan, Temperature, Voltage, Water cooling
Supported storage drive interfaces *	M.2, PCI Express 4.0, SATA III	Component for *	PC
Number of HDDs supported	4	Motherboard form factor *	ATX
Number of storage drives supported	9	Motherboard chipset family *	Intel
RAID support	✓	Power source type	ATX
RAID levels	0, 1, 5, 10	Windows operating systems supported	Windows 11 x64
Graphics			
Parallel processing technology support *	Not supported		
Maximum resolution	4096 x 2304 pixels		
HDCP	✓		
Discrete graphics support	✓		

Internal I/O		Expansion slots	
USB 2.0 connectors *	2	PCI Express x16 (Gen 3.x) slots	1
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	PCI Express x16 (Gen 4.x) slots	1
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	PCI Express x16 (Gen 5.x) slots	1
USB 3.2 Gen 2x2 connectors	1	Number of M.2 (M) slots	5
Number of SATA III connectors *	4	BIOS	
Total number of SATA connectors	4	BIOS type *	UEFI AMI
Front panel audio connector	✓	BIOS memory size	256 Mbit
Front panel connector	✓	ACPI version	5.0
ATX Power connector (24-pin)	✓	Clear CMOS jumper	✓
Number of EATX power connectors	2	Clear CMOS button	✓
CPU fan connector	✓	Desktop Management Interface (DMI) version	2.7
EPS power connector (8-pin)	✓	System Management BIOS (SMBIOS) version	2.7
TPM connector	✓	Logistics data	
Thunderbolt headers	2	Country of origin	Taiwan
12V power connector	✓	Products per shipping (inner) case	1 pc(s)
RGB LED pin header	✓	Battery	
Rear panel I/O ports		Battery weight	3 g
USB 2.0 ports quantity *	2	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 *	1	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
USB 3.2 Gen 2x2 Type-C ports quantity	1	Battery type	CR2032
Ethernet LAN (RJ-45) ports *	1	Packaging data	
HDMI ports quantity *	1	Package width	335 mm
HDMI version	2.0	Package depth	270 mm
DisplayPorts quantity	1	Package height	80 mm
DisplayPort version	1.4	Package weight	2.28 kg
		Weight & dimensions	
		Width	305 mm
		Depth	244 mm
		Height	35 mm
		Packaging content	
		Cables included	SATA
		Batteries included	✓
		Antenna included	✓
		Bundled software	Norton® Internet Security (OEM version) LAN bandwidth management software
		Technical details	
		Warranty period	3 year(s)



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