

**GIGABYTE Z790 GAMING X AX Motherboard - Supports Intel Core 14th CPUs, 16+1+2 Phases Digital VRM, up to 7600MHz DDR5 (OC), 4xPCIe 4.0 M.2, Wi-Fi 6E, 2.5GbE LAN , USB 3.2 Gen 2x2**

**Brand :** GIGABYTE

**Product code:** Z790 GAMING X AX

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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	HDMI ports quantity *	1
Processor socket *	LGA 1700	HDMI version	2.0
Compatible processor series *	Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel® Pentium® Gold	DisplayPorts quantity	1
		DisplayPort version	1.2
Supported processor sockets	LGA 1700	Headphone outputs	2
Maximum internal memory supported by processor	192 GB	Microphone in	✓
		S/PDIF out port	✓
		WiFi-AP antenna jack	2
		USB connector type	USB Type-A, USB Type-C
Memory		Network	
Supported memory types *	DDR5-SDRAM	Ethernet LAN	✓
Number of memory slots *	4	Ethernet interface type	2.5 Gigabit Ethernet
Memory slots type	DIMM	Wi-Fi *	✓
Memory channels	Dual-channel	Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
ECC compatibility	ECC & Non-ECC		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)
Supported memory clock speeds	4000,4800,5200,5400,5600,5800,6000,6200,6400,6600,6800,7000,7200,7400,7600 MHz	Wi-Fi standards	
Supported memory clock speed (max)	7600 MHz	WLAN controller model	Intel Wi-Fi 6E AX211
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 *	Intel Z790 Express
Supported storage drive types	HDD & SSD	Audio output channels *	7.1 channels
Supported storage drive interfaces *	M.2, SATA III	Product colour	Black
Number of HDDs supported	6	PC health monitoring	Fan, Temperature, Voltage, Water cooling
Number of storage drives supported	10	Component for *	PC
RAID support	✓	Motherboard form factor *	ATX
RAID levels	0, 1, 5, 10	Motherboard chipset family *	Intel
Graphics			
Parallel processing technology support *	Crossfire		
Maximum resolution	4096 x 2304 pixels		
HDCP	✓		

Graphics		Features	
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 x16 slots	3
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	Number of M.2 (M) slots	4
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	BIOS	
Number of SATA III connectors *	6	BIOS type *	UEFI AMI
Total number of SATA connectors	6	BIOS memory size	256 Mbit
Front panel audio connector	✓	ACPI version	5.0
Front panel connector	✓	Clear CMOS jumper	✓
ATX Power connector (24-pin)	✓	Desktop Management Interface (DMI) version	2.7
CPU fan connector	✓	System Management BIOS (SMBIOS) version	2.7
EPS power connector (8-pin)	✓	Logistics data	
TPM connector	✓	Country of origin	China
Thunderbolt headers	2	Products per shipping (inner) case	1 pc(s)
12V power connector	✓	Battery	
RGB LED pin header	✓	Battery weight	3 g
Rear panel I/O ports		Lithium weight per battery	0.07 g
USB 2.0 ports quantity *	4	Number of battery cells	1
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2	Battery type	CR2032
USB 3.2 Gen 2x2 Type-C ports quantity	1	Packaging data	
Ethernet LAN (RJ-45) ports *	1	Package width	335 mm
		Package depth	270 mm
		Package height	80 mm
		Package weight	2.16 kg
		Weight & dimensions	
		Width	305 mm
		Depth	244 mm
		Height	35 mm
		Packaging content	
		Cables included	SATA
		Batteries included	✓
		Technical details	
		Warranty period	3 year(s)



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### Catalog Object Cloud



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