

GIGABYTE Z790 EAGLE AX Motherboard - Supports Intel Core 14th Gen CPUs, 12+1+1 Phases Digital VRM, up to 7600MHz DDR5 (OC), 3xPCIe 4.0 M.2, Wi-Fi 6E, 2.5GbE LAN, USB 3.2 Gen 2



Brand : GIGABYTE

Product code: Z790 EAGLE AX

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Z790, 4 x DDR5, Wi-Fi 6E, 2.5GbE LAN, 4 x SATA 6Gb/s, USB 3.2

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Processor		Rear panel I/O ports	
Processor manufacturer *	Intel	DisplayPort version	1.2
Processor socket *	LGA 1700	Headphone outputs	1
Compatible processor series *	Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel® Pentium® Gold	Microphone in	✓
Maximum number of SMP processors	1	S/PDIF out port	✓
Supported processor sockets	LGA 1700	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 *	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	✓	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)
Non-ECC	✓	WLAN controller model	Intel Wi-Fi 6E AX211
Supported memory clock speeds	4400, 4800, 5200, 5400, 5600, 5800, 6000, 6200, 6400, 6600, 6800, 7000, 7200, 7400, 7600 MHz	Bluetooth	✓
Supported memory clock speed (max)	7600 MHz	Bluetooth version	5.3
Maximum internal memory *	192 GB	Features	
Supported memory module capacities	1GB, 2GB, 4GB, 8GB, 12GB, 16GB, 32GB, 48GB	Motherboard chipset *	Intel Z790 Express
Unbuffered memory	✓	Audio chip	Realtek ALC897
Storage controllers		Audio output channels *	7.1 channels
Supported storage drive types	HDD & SSD	Product colour	Brown
Supported storage drive interfaces *	M.2, SATA III	PC health monitoring	Fan, Temperature, Voltage, Water cooling
Number of HDDs supported	4	Component for *	PC
Number of storage drives supported	7	Motherboard form factor *	ATX
RAID support	✓	Motherboard chipset family *	Intel
RAID levels	0, 1, 5, 10	Power source type	ATX
Graphics		Windows operating systems supported	Windows 10 x64, Windows 11 x64
Parallel processing technology support *	Not supported	Expansion slots	
On-board graphics card	✗	PCI Express x1 (Gen 3.x) slots	2
Maximum resolution	4096 x 2304 pixels		
HDCP	✓		

Graphics		Expansion slots	
Discrete graphics support	✓	PCI Express x16 (Gen 3.x) slots	1
Internal I/O		PCI Express x16 (Gen 4.x) slots	1
USB 2.0 connectors *	2	PCI Express x16 (Gen 5.x) slots	1
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	Number of M.2 (M) slots	3
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	BIOS	
Number of SATA III connectors *	4	BIOS type *	UEFI AMI
Total number of SATA connectors	4	BIOS memory size	256 Mbit
Front panel audio connector	✓	ACPI version	5.0
Front panel connector	✓	Clear CMOS jumper	✓
ATX Power connector (24-pin)	✓	Clear CMOS button	✓
Number of EATX power connectors	2	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 *	2	Number of battery cells	1
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	1	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
PS/2 ports quantity	1	Package depth	270 mm
HDMI ports quantity *	1	Package height	80 mm
HDMI version	2.1	Package weight	1.81 kg
DisplayPorts quantity	1	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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