

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

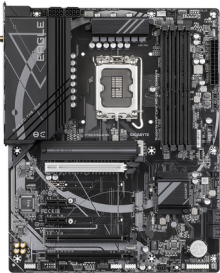
Product name : Z790 EAGLE AX Motherboard - Supports Intel Core 14th Gen CPUs, 12+1+1 Phases Digital VRM, up to 7600MHz DDR5 (OC), 3xPCIe 4.0 M.2, Wi-Fi 6E, 2.5GbE LAN, USB 3.2 Gen 2



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                       | ✓   |
|  |   | S/PDIF out port                     | ✓   |
| Maximum number of SMP processors               | 1   | WiFi-AP antenna jack                | 2   |
| Supported processor sockets                    | LGA 1700  | USB connector type                  | USB Type-A, USB Type-C  |
| Maximum internal memory supported by processor | 192 GB  | Network                             |   |
| Memory   |   | Ethernet LAN                        | ✓   |
| Supported memory types *                       | DDR5-SDRAM  | Ethernet interface type             | 2.5 Gigabit Ethernet  |
| Number of memory slots *                       | 4   | Wi-Fi *                             | ✓   |
| Memory slots type                              | DIMM  | Top Wi-Fi standard                  | Wi-Fi 6E (802.11ax)   |
| Memory channels                                | Dual-channel  | 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) |
| ECC  | ✓   | WLAN controller model               | Intel Wi-Fi 6E AX211  |
| Non-ECC  | ✓   | Bluetooth                           | ✓   |
| Supported memory clock speeds                  | 4400,4800,5200,5400,5600,5800,6000,6200,6400,6600,6800,7000,7200,7400,7600 MHz                            | Bluetooth version                   | 5.3   |
| Supported memory clock speed (max)             | 7600 MHz  | Features                            |   |
| Maximum internal memory *                      | 192 GB  | Motherboard chipset *               | Intel Z790 Express  |
| Supported memory module capacities             | 1GB, 2GB, 4GB, 8GB, 12GB, 16GB, 32GB, 48GB  | Audio chip                          | Realtek ALC897  |
| Unbuffered memory                              | ✓   | Audio output channels *             | 7.1 channels  |
| Storage controllers                            |   | Product colour                      | Brown   |
| Supported storage drive types                  | HDD & SSD   | PC health monitoring                | Fan, Temperature, Voltage, Water cooling  |
| Supported storage drive interfaces *           | M.2, SATA III   | Component for *                     | PC  |
| Number of HDDs supported                       | 4   | Motherboard form factor *           | ATX   |
| Number of storage drives supported             | 7   | Motherboard chipset family *        | Intel   |
| RAID support                                   | ✓   | Power source type                   | ATX   |
| RAID levels                                    | 0, 1, 5, 10   | Windows operating systems supported | Windows 10 x64, Windows 11 x64  |
| Graphics                                       |   | Expansion slots                     |   |
| Parallel processing technology support *       | Not supported   | PCI Express x1 (Gen 3.x) slots      | 2   |
| 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   |
| Number of SATA III connectors *                   | 4   | Number of M.2 (M) slots                    | 3   |
| Total number of SATA connectors                   | 4   | BIOS                                       |   |
| Front panel audio connector                       | ✓   | BIOS type *                                | UEFI AMI  |
| Front panel connector                             | ✓   | BIOS memory size                           | 256 Mbit  |
| ATX Power connector (24-pin)                      | ✓   | ACPI version                               | 5.0   |
| Number of EATX power connectors                   | 2   | Clear CMOS jumper                          | ✓   |
| CPU fan connector                                 | ✓   | Clear CMOS button                          | ✓   |
| EPS power connector (8-pin)                       | ✓   | Desktop Management Interface (DMI) version | 2.7   |
| TPM connector                                     | ✓   | System Management BIOS (SMBIOS) version    | 2.7   |
| Thunderbolt headers                               | 2   | Logistics data                             |   |
| 12V power connector                               | ✓   | Country of origin                          | China   |
| RGB LED pin header                                | ✓   | Products per shipping (inner) case         | 1 pc(s)   |
| Rear panel I/O ports                              |     | Battery                                    |   |
| USB 2.0 ports quantity *                          | 2   | Battery weight                             | 3 g   |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 4   | Lithium weight per battery                 | 0.07 g  |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity * | 1   | Number of battery cells                    | 1   |
| USB 3.2 Gen 2x2 Type-C ports quantity             | 1   | Battery technology                         | Lithium-Manganese Dioxide (LiMnO2)  |
| Ethernet LAN (RJ-45) ports *                      | 1   | Battery type                               | CR2032  |
| PS/2 ports quantity                               | 1   | Packaging data                             |   |
| HDMI ports quantity *                             | 1   | Package width                              | 335 mm  |
| HDMI version                                      | 2.1 | Package depth                              | 270 mm  |
| DisplayPorts quantity                             | 1   | Package height                             | 80 mm   |
|   |     | Package weight                             | 1.81 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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