

GIGABYTE Z790 EAGLE AX Motherboard - Supports Intel Core 14th Gen CPUs, 12+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

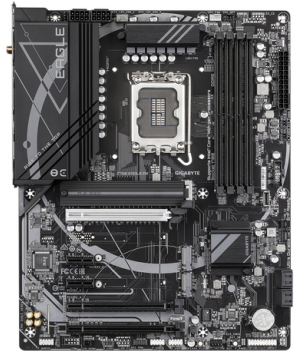
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| Processor                                      |                                                                                | Rear panel I/O ports                |                                                                                                           |
|------------------------------------------------|--------------------------------------------------------------------------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Processor manufacturer *                       | Intel                                                                          | DisplayPort version                 | 1.2                                                                                                       |
| Processor socket *                             | LGA 1700                                                                       | Headphone outputs                   | 1                                                                                                         |
| Compatible processor series *                  | Intel® Celeron®, Intel® Core™ i3,                                              | Microphone in                       | ✓                                                                                                         |
|                                                | Intel® Core™ i5, Intel® Core™ i7,                                              | S/PDIF out port                     | ✓                                                                                                         |
| Maximum number of SMP processors               | Intel® Core™ i9, Intel® Pentium® Gold                                          | Wi-Fi-AP antenna jack               | 2                                                                                                         |
|                                                | 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                        | ✓                                                                                                         |
| Memory                                         |                                                                                | Ethernet interface type             | 2.5 Gigabit Ethernet                                                                                      |
| Supported memory types *                       | DDR5-SDRAM                                                                     | Wi-Fi *                             | ✓                                                                                                         |
| Number of memory slots *                       | 4                                                                              | Top Wi-Fi standard                  | Wi-Fi 6E (802.11ax)                                                                                       |
| Memory slots type                              | DIMM                                                                           | 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) |
| Memory channels                                | Dual-channel                                                                   |                                     | Intel Wi-Fi 6E AX211                                                                                      |
| ECC compatibility                              | ECC & 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                                                                  |                                     |                                                                                                           |
| On-board graphics card                         | ✗                                                                              |                                     |                                                                                                           |

| Graphics                                          |                    | Expansion slots                            |                                                                           |
|---------------------------------------------------|--------------------|--------------------------------------------|---------------------------------------------------------------------------|
| Maximum resolution                                | 4096 x 2304 pixels | PCI Express x1 (Gen 3.x) slots             | 2                                                                         |
| HDCP                                              | ✓                  | PCI Express x16 (Gen 3.x) slots            | 1                                                                         |
| Discrete graphics support                         | ✓                  | PCI Express x16 (Gen 4.x) slots            | 1                                                                         |
| Internal I/O                                      |                    | PCI Express x16 (Gen 5.x) slots            | 1                                                                         |
| USB 2.0 connectors *                              | 2                  | Number of M.2 (M) slots                    | 3                                                                         |
| USB 3.2 Gen 1 (3.1 Gen 1) connectors *            | 1                  | BIOS                                       |                                                                           |
| USB 3.2 Gen 2 (3.1 Gen 2) connectors *            | 1                  | BIOS type *                                | UEFI AMI                                                                  |
| Number of SATA III connectors *                   | 4                  | BIOS memory size                           | 256 Mbit                                                                  |
| Total number of SATA connectors                   | 4                  | ACPI version                               | 5.0                                                                       |
| Front panel audio connector                       | ✓                  | Clear CMOS jumper                          | ✓                                                                         |
| Front panel connector                             | ✓                  | Clear CMOS button                          | ✓                                                                         |
| ATX Power connector (24-pin)                      | ✓                  | Desktop Management Interface (DMI) version | 2.7                                                                       |
| Number of EATX power connectors                   | 2                  | System Management BIOS (SMBIOS) version    | 2.7                                                                       |
| CPU fan connector                                 | ✓                  | Logistics data                             |                                                                           |
| EPS power connector (8-pin)                       | ✓                  | Country of origin                          | China                                                                     |
| TPM connector                                     | ✓                  | Products per shipping (inner) case         | 1 pc(s)                                                                   |
| Thunderbolt headers                               | 2                  | Battery                                    |                                                                           |
| 12V power connector                               | ✓                  | Battery weight                             | 3 g                                                                       |
| RGB LED pin header                                | ✓                  | Lithium weight per battery                 | 0.07 g                                                                    |
| Rear panel I/O ports                              |                    | Number of battery cells                    | 1                                                                         |
| USB 2.0 ports quantity *                          | 2                  | Battery technology                         | Lithium-Manganese Dioxide (LiMnO2)                                        |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 4                  | Battery type                               | CR2032                                                                    |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity * | 1                  | Packaging data                             |                                                                           |
| USB 3.2 Gen 2x2 Type-C ports quantity             | 1                  | Package width                              | 335 mm                                                                    |
| Ethernet LAN (RJ-45) ports *                      | 1                  | Package depth                              | 270 mm                                                                    |
| PS/2 ports quantity                               | 1                  | Package height                             | 80 mm                                                                     |
| HDMI ports quantity *                             | 1                  | Package weight                             | 1.81 kg                                                                   |
| HDMI version                                      | 2.1                | Weight & dimensions                        |                                                                           |
| DisplayPorts quantity                             | 1                  | 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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### Catalog Object Cloud



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