

Gigabyte Z790 D 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 D AX

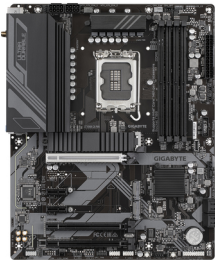
Product name : Z790 D AX Motherboard - Supports Intel Core 14th Gen CPUs, 12+1+1 Phases Digital VRM, up to 7600MHz DDR5 (OC), 3xPCIe 4.0 M.2, Wi-Fi 6E, 2.5GbE LAN, USB 3.2 Gen 2



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 | ✓ |
| | | Wi-Fi-AP antenna jack | 2 |
| | | USB connector type | USB Type-A, USB Type-C |
| Maximum number of SMP processors | 1 | Network | |
| Supported processor sockets | LGA 1700 | Ethernet LAN | ✓ |
| Maximum internal memory supported by processor | 192 GB | Ethernet interface type | 2.5 Gigabit Ethernet |
| Memory | | LAN controller | Realtek RTL8125 |
| 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 | | |
| 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 | | | |
| Parallel processing technology support * | Not supported | | |
| Maximum resolution | 4096 x 2304 pixels | | |
| HDCP | ✓ | | |
| DirectX version | 12.0 | | |

| Graphics | | Expansion slots | |
|---|-----|--|---|
| Discrete graphics support | ✓ | PCI Express x1 (Gen 3.x) slots | 2 |
| Internal I/O | | PCI Express x16 (Gen 3.x) slots | 1 |
| USB 2.0 connectors * | 2 | PCI Express x16 (Gen 4.x) slots | 1 |
| USB 3.2 Gen 1 (3.1 Gen 1) connectors * | 1 | PCI Express x16 (Gen 5.x) slots | 1 |
| USB 3.2 Gen 2 (3.1 Gen 2) connectors * | 1 | Number of M.2 (M) slots | 3 |
| 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 | China |
| 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 | |
| PS/2 ports quantity | 1 | Package width | 335 mm |
| HDMI ports quantity * | 1 | Package depth | 270 mm |
| HDMI version | 2.1 | Package height | 80 mm |
| DisplayPorts quantity | 1 | Package weight | 1.84 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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