

GIGABYTE Z790 AORUS ELITE DDR4 ATX Motherboard

Sale Price: 37000.0



PRODUCT ID: 02691

Basic Information

Supported CPU	LGA1700 socket: Support for the 14th, 13th and 12th Generation Intel Core, Pentium Gold and Celeron Processors L3 cache varies with CPU
Chipset	Intel Z790 Express Chipset
BIOS	1 x 256 Mbit flash Use of licensed AMI UEFI BIOS PnP 1.0a, DMI 2.7, WfM 2.0, SM BIOS 2.7, ACPI 5.0
Form Factor	ATX Form Factor; 30.5cm x 24.4cm
Audio	Realtek Audio CODEC High Definition Audio 2/4/5.1/7.1-channel Support for S/PDIF Out

Expansion Slots

PCI	CPU: 1 x PCI Express x16 slot, supporting PCIe 5.0 and running at x16 (PCIEX16) * For optimum performance, if only one PCI Express graphics card is to be installed, be sure to install it in the PCIEX16 slot. Chipset: 1 x PCI Express x16 slot, supporting PCIe 4.0 and running at x4 (PCIEX4_1) 1 x PCI Express x16 slot, supporting PCIe 3.0 and running at x4 (PCIEX4_2)
M.2 Socket	1 x M.2 connector (Socket 3, M key, type 22110/2280 PCIe 4.0 x4/x2 SSD support) (M2A_CPU)

Memory

Type	DDR4
Slots	4 x DIMM sockets

Basic Information

Supported Memory	Support for DDR4 5333(O.C.)/ DDR4 5133(O.C.)/DDR4 5000(O.C.)/4933(O.C.)/4800(O.C.)/ 4700(O.C.)/ 4600(O.C.)/ 4500(O.C.)/ 4400(O.C.)/ 4300(O.C.)/4266(O.C.) / 4133(O.C.) / 4000(O.C.) / 3866(O.C.) / 3800(O.C.) / 3733(O.C.) / 3666(O.C.) / 3600(O.C.) / 3466(O.C.) / 3400(O.C.) / 3333(O.C.) / 3300(O.C.) / 3200 / 3000 / 2933 / 2800 / 2666 / 2400 / 2133 MHz memory modules 4 x DDR DIMM sockets supporting up to 128 GB (32 GB single DIMM capacity) of system memory Dual channel memory architecture Support for ECC Un-buffered DIMM 1Rx8/2Rx8 memory modules (operate in non-ECC mode) Support for non-ECC Un-buffered DIMM 1Rx8/2Rx8/1Rx16 memory modules Support for Extreme Memory Profile (XMP) memory modules
Maximum Memory	128GB (32 GB single DIMM capacity)

Graphics

Graphics	Integrated Graphics Processor-Intel® HD Graphics support: 1 x HDMI port, supporting a maximum resolution of 4096x2160@60 Hz Support for HDMI 2.0 version and HDCP 2.3.
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Connector & Ports

HDMI	1 x HDMI
USB (s)	1 x USB Type-C port on the back panel, with USB 3.2 Gen 2x2 support 1 x USB Type-C port with USB 3.2 Gen 2 support, available through the internal USB header 2 x USB 3.2 Gen 2 Type-A ports (red) on the back panel 5 x USB 3.2 Gen 1 ports (3 ports on the back panel, 2 ports available through the internal USB header) Chipset+2 USB 2.0 Hubs: 8 x USB 2.0/1.1 ports (4 ports on the back panel, 4 ports available through the internal USB headers)
LAN Port (s)	Realtek 2.5GbE LAN chip (2.5 Gbps/1 Gbps/100 Mbps)
Supported Storage	CPU: 1 x M.2 connector (Socket 3, M key, type 22110/2280 PCIe 4.0 x4/x2 SSD support) (M2A_CPU) Chipset: 2 x M.2 connectors (Socket 3, M key, type 22110/2280 PCIe 4.0 x4/x2 SSD support) (M2P_SB, M2Q_SB) 1 x M.2 connector (Socket 3, M key, type 22110/2280 SATA and PCIe 4.0 x4 SSD support) (M2M_SB) 4 x SATA 6Gb/s connectors
RAID	RAID 0, RAID 1, RAID 5, and RAID 10 support for NVMe SSD storage devices RAID 0, RAID 1, RAID 5, and RAID 10 support for SATA storage devices
Audio	2 x audio jacks

Basic Information

Internal I/O Ports	1 x 24-pin ATX main power connector 2 x 8-pin ATX 12V power connectors 1 x CPU fan header 1 x water cooling CPU fan header 3 x system fan headers 1 x system fan/water cooling pump header 2 x addressable LED strip headers 2 x RGB LED strip headers 4 x M.2 Socket 3 connectors 4 x SATA 6Gb/s connectors 1 x front panel header 1 x front panel audio header 1 x USB Type-C header, with USB 3.2 Gen 2 support 1 x USB 3.2 Gen 1 header 2 x USB 2.0/1.1 headers 2 x Thunderbolt add-in card connectors 1 x reset button 1 x Q-Flash Plus button 1 x Clear CMOS button 1 x reset jumper 1 x Clear CMOS jumper
TPM (Trusted Platform Module)	1 x Trusted Platform Module header (For the GC-TPM2.0 SPI/GC-TPM2.0 SPI 2.0 module only)

Others

Special Features	Support for GIGABYTE Control Center (GCC) * Available applications in GCC may vary by motherboard model. Supported functions of each application may also vary depending on motherboard specifications. Support for Q-Flash Support for Q-Flash Plus Support for Smart Backup
Bundled Software	Norton Internet Security (OEM version) LAN bandwidth management software

Warranty Information

Manufacturing Warranty	03-years warranty
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