GIGABYTE Z790 EAGLE AX DDR5 ATX Motherboard

Sale Price: 32500.0

PRODUCT ID: 02693

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 (Please refer "CPU Support List" for more information.)
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 * You can change the functionality of an audio jack using the audio software. To configure 7.1-channel audio, access the audio software for audio settings. Support for S/PDIF Out

Expansion Slots

PCI	CPU: - 1 x PCI Express x16 slot, supporting PCIe 5.0 and running at x16 (PCIEX16) * The PCIEX16 slot can only support a graphics card or an NVMe SSD. If only one 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 x PCI Express x16 slot, supporting PCIe 3.0 and running at x1 (PCIEX1_4) - 2 x PCI Express x1 slots, supporting PCIe 3.0 and running at x1 (PCIEX1_2, PCIEX1_3)

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Basic Information

Memory

Type	DDR5
Slots	4 x DDR5 DIMM sockets
Supported Memory	14th and 13th Generation Intel Core i9/i7 Pocessors: - Support for DDR5 7600(O.C.) /7400(O.C.) /7200(O.C.) /7000(O.C.) /6800(O.C.) /6600(O.C.) / 6400(O.C.) / 6200(O.C.) / 6000(O.C.) / 5800(O.C.) / 5600 / 5400 / 5200/ 4800/4400 MT/s memory modules 13th Generation Intel Core i5/i3 and 12th Generation Intel Core, Pentium Gold and Celeron Processors: - Support for DDR5 4800/4400 MT/s memory modules 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 (The CPU and memory configuration may affect the supported memory types, data rate (speed), and number of DRAM modules, please refer to "Memory Support List" on GIGABYTE's website for more information.)
Maximum Memory	up to 192 GB (48 GB single DIMM capacity) of system memory

Graphics

Graphics	Integrated Graphics Processor-Intel® HD Graphics support: - 1 x HDMI port, supporting a maximum resolution of 4096x2160@60 Hz * Support for HDMI 2.1 version and HDCP 2.3. ** Support for native HDMI 2.1 TMDS compatible ports. - 1 x DisplayPort, supporting a maximum resolution of 4096x2304@60 Hz * Support for DisplayPort 1.2 version and HDCP 2.3 (Graphics specifications may vary depending on CPU support.)

Connector & Ports

HDMI	1 x HDMI port
Display Port (s)	1 x DisplayPort
USB (s)	Chipset: - 1 x USB Type-C port on the back panel, with USB 3.2 Gen 2 support - 1 x USB Type-C port with USB 3.2 Gen 1 support, available through the internal USB header - 1 x USB 3.2 Gen 2 Type-A port (red) on the back panel - 6 x USB 3.2 Gen 1 ports (4 ports on the back panel, 2 ports available through the internal USB header) - 2 x USB 2.0/1.1 ports on the back panel Chipset+USB 2.0 Hub: - 4 x USB 2.0/1.1 ports, available through the internal USB headers
LAN Port (s)	Realtek 2.5GbE LAN chip (2.5 Gbps/1 Gbps/100 Mbps)

Basic Information

Wireless Communication module	Intel Wi-Fi 6E AX211 (PCB rev. 1.0) - WIFI a, b, g, n, ac, ax, supporting 2.4/5/6 GHz carrier frequency bands - BLUETOOTH 5.3 - Support for 11ax 160MHz wireless standard Realtek Wi-Fi 6E RTL8852CE(PCB rev. 1.1) - WIFI a, b, g, n, ac, ax, supporting 2.4/5/6 GHz carrier frequency bands - BLUETOOTH 5.3 - Support for 11ax 160MHz wireless standard (Actual data rate may vary depending on environment and equipment.)	
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: - 1 x M.2 connectors (Socket 3, M key, type 2280 PCIe 4.0 x4/x2 SSD support) (M2P_SB) - 1 x M.2 connectors (Socket 3, M key, type 2280 SATA and PCIe 4.0 x4/x2 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	3 x audio jacks	

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Basic Information

Internal I/O Ports	Internal I/O Connectors
	1 x 24-pin ATX main power connector
	2 x 8-pin ATX 12V power connectors
	1 x CPU fan header
	1 x CPU fan/water cooling pump header
	3 x system fan headers
	1 x system fan/water cooling pump header
	2 x addressable LED strip headers
	3 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 S/PDIF Out header
	1 x USB Type-C header, with USB 3.2 Gen 1 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 reset jumper
	1 x Clear CMOS jumper
	Back Panel Connectors
	1 x PS/2 keyboard/mouse port
	1 x USB Type-C port, with USB 3.2 Gen 2 support
	1 x USB 3.2 Gen 2 Type-A port (red)
	4 x USB 3.2 Gen 1 ports
	2 x USB 2.0/1.1 ports
	2 x SMA antenna connectors (1T1R)
	1 x HDMI port
	1 x DisplayPort
	1 x RJ-45 port
	3 x audio jacks
TPM (Trusted Platform Module)	1 x Trusted Platform Module header (For the GC-TPM2.0 SPI / GC-TPM2.0 SPI 2.0/GC-TPM2.0 SPI V2 module only)

Others

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Basic Information

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	3 years