

## GIGABYTE Z790 UD DDR5 12th/13th Gen Intel Motherboard

Sale Price: 29500.0



PRODUCT ID: 02695

### 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 * 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) * 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 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) Support for AMD CrossFire technology (PCIEX16 and PCIEX4)
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### Memory

Type	DDR5
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## Basic Information

Slots	4 x DIMM sockets
Supported Memory	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(O.C.) / 5400(O.C.) / 5200(O.C.) / 4800 / 4000 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
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. 1 x DisplayPort, supporting a maximum resolution of 4096x2304@60 Hz * Support for DisplayPort 1.2 version and HDCP 2.3
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## Connector & Ports

HDMI	1 x HDMI
Display Port (s)	1 x DisplayPort
USB (s)	Chipset: 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 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) 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 2280 PCIe 4.0 x4/x2 SSD support) (M2Q_SB, M2P_SB) 6 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

## Basic Information

Internal I/O Ports	<ul style="list-style-type: none"> <li>1 x 24-pin ATX main power connector</li> <li>2 x 8-pin ATX 12V power connectors</li> <li>1 x CPU fan header</li> <li>1 x water cooling CPU fan header</li> <li>3 x system fan headers</li> <li>1 x system fan/water cooling pump header</li> <li>2 x addressable LED strip headers</li> <li>2 x RGB LED strip headers</li> <li>3 x M.2 Socket 3 connectors</li> <li>6 x SATA 6Gb/s connectors</li> <li>1 x front panel header</li> <li>1 x front panel audio header</li> <li>1 x S/PDIF Out header</li> <li>1 x USB Type-C header, with USB 3.2 Gen 1 support</li> <li>1 x USB 3.2 Gen 1 header</li> <li>2 x USB 2.0/1.1 headers</li> <li>1 x serial port header</li> <li>2 x Thunderbolt add-in card connectors</li> <li>1 x reset button</li> <li>1 x Q-Flash Plus button</li> <li>1 x reset jumper</li> <li>1 x Clear CMOS jumper</li> </ul>
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	<ul style="list-style-type: none"> <li>Support for GIGABYTE Control Center (GCC)</li> <li>* Available applications in GCC may vary by motherboard model. Supported functions of each application may also vary depending on motherboard specifications.</li> <li>Support for Q-Flash</li> <li>Support for Q-Flash Plus</li> <li>Support for Smart Backup</li> </ul>
Bundled Software	<ul style="list-style-type: none"> <li>Norton Internet Security (OEM version)</li> <li>LAN bandwidth management software</li> </ul>

## Warranty Information

Manufacturing Warranty	3 years
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