

## GIGABYTE Z890 UD LGA 1851 ATX Motherboard

Sale Price: 32500.0



PRODUCT ID: 02700

### Basic

#### Information

Supported CPU	LGA1851 socket: Support for Intel Core Ultra Processors L3 cache varies with CPU
Chipset	Intel Z890 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

### 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: - 2 x PCI Express x16 slots, supporting PCIe 4.0 and running at x4 (PCIEX4_1, PCIEX4_2)
M.2 Socket	CPU: - 1 x M.2 connector (Socket 3, M key, type 25110/22110/2580/2280 PCIe 5.0 x4/x2 SSD support) (M2A_CPU) - 1 x M.2 connector (Socket 3, M key, type 25110/22110/2580/2280 PCIe 4.0 x4/x2 SSD support) (M2B_CPU) Chipset: - 1 x M.2 connector (Socket 3, M key, type 25110/22110/2580/2280 SATA and PCIe 4.0 x4/x2 SSD support) (M2M_SB)

### Memory

Type	DDR5
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## Basic Information

Slots	4 x DIMM
Supported Memory	Support for DDR5 9200(O.C) / 9066(O.C) / 8933(O.C) / 8800(O.C) / 8600(O.C) / 8400(O.C) / 8266(O.C) / 8200(O.C) / 8000(O.C) / 7950(O.C) / 7900(O.C) / 7800(O.C) / 7600(O.C.) / 7400(O.C.) / 7200(O.C.) / 7000(O.C.) / 6800(O.C.) / 6600(O.C.) / 6400 / 6200 / 6000 / 5800 / 5600MT/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 Support CUDIMM memory module
Maximum Memory	up to 256 GB (64 GB single DIMM capacity) of system memory

## Graphics

Graphics	Integrated Graphics Processor-Intel® HD Graphics support: - 1 x USB4® USB Type-C® port, supporting USB4 and DisplayPort video outputs and a maximum resolution of 3840x2160@144 Hz * Support for DisplayPort 2.1 version - 1 x DisplayPort, supporting a maximum resolution of 3840x2160@144 Hz * Support for DisplayPort 2.1 version
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## Connector & Ports

Display Port (s)	1 x DisplayPort
LAN Port (s)	Realtek® 2.5GbE LAN chip (2.5 Gbps/1 Gbps/100 Mbps)
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 25110/22110/2580/2280 PCIe 5.0x4/x2 SSD support) (M2A_CPU) - 1 x M.2 connector (Socket 3, M key, type 22110/2280 PCIe 4.0 x4/x2 SSD support) (M2B_CPU) Chipset: - 1 x M.2 connector (Socket 3, M key, type 22110/2280 PCIe 4.0 x4/x2 SSD support) (M2Q_SB) - 1 x M.2 connector (Socket 3, M key, type 22110/2280 SATA and PCIe 4.0x4/x2 SSD support) (M2M_SB) - 4 x SATA 6Gb/s connectors

## Basic Information

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
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 CPU fan/water cooling pump header 2 x system fan headers 2 x system fan/water cooling pump headers 3 x addressable RGB Gen2 LED strip headers 1 x RGB LED strip header 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 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 Trusted Platform Module header (For the GC-TPM2.0 SPI/GC-TPM2.0 SPI 2.0/ GC-TPM2.0 SPI V2 module only) 1 x serial port header 1 x power button 1 x reset button 1 x Q-Flash Plus button 1 x reset jumper 1 x Clear CMOS jumper 4 x USB 2.0/1.1 ports 1 x PS/2 keyboard/mouse port 1 x DisplayPort (Note) 4 x USB 3.2 Gen 1 ports 1 x USB4® USB Type-C® port (DisplayPort (Note)) 1 x USB 3.2 Gen 2 Type-A port (red) 1 x RJ-45 port 2 x SMA antenna connectors (2T2R) 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

## 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 Year
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