

GIGABYTE Z690 UD AX DDR4 ATX Motherboard

Sale Price: 25500.0



PRODUCT ID: 02690

Basic

Information

Supported CPU	Supported CPU: 14th/13th/12th Gen Intel Processors (LGA1700) L3 cache varies with CPU
Chipset	Intel Z690 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	1 x PCI Express x16 slot, 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. (The PCIEX16 slot conforms to PCI Express 5.0 standard.) 1 x PCI Express x16 slot, running at x4 (PCIEX4) 1 x PCI Express x16 slot, running at x1 (PCIEX1_4) 2 x PCI Express x1 slots (The PCIEX4 and PCIEX1 slots conform to PCI Express 3.0 standard.)
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Basic Information

M.2 Socket	1 x M.2 connector (Socket 3, M key, type 2260/2280/22110 PCIe 4.0 x4/x2 SSD support) (M2A_CPU) Chipset: 1 x M.2 connector (Socket 3, M key, type 2260/2280 PCIe 4.0 x4/x2 SSD support) (M2P_SB) 1 x M.2 connector (Socket 3, M key, type 2260/2280 PCIe 4.0 x4/x2 SSD support) (M2Q_SB) 6 x SATA 6Gb/s connectors Support for RAID 0, RAID 1, RAID 5, and RAID 10 Intel Optane Memory Ready System acceleration with Intel Optane Memory can only be enabled on the M.2 connectors supported by the Chipset.
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Memory

Type	DDR4
Slots	4 x DIMM
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 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 (Go to GIGABYTE's website for the latest supported memory speeds and memory modules.)
Maximum Memory	up to 128 GB (32 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 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.)
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Connector & Ports

HDMI	1 x HDMI port
Display Port (s)	1 x DisplayPort

Basic Information

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 ports (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)
Wireless Communication module	Intel Wi-Fi 6 AX201 (For PCB rev. 1.0) Intel Wi-Fi 6 AX200 (For PCB rev. 1.1/1.2) WIFI a, b, g, n, ac, ax, supporting 2.4/5 GHz carrier frequency bands Intel Wi-Fi 6E AX211 (For PCB rev. 1.3/1.4) WIFI a, b, g, n, ac, ax, supporting 2.4/5/6 GHz carrier frequency bands BLUETOOTH 5.2 Support for 11ax 160MHz wireless standard and up to 2.4 Gbps data rate * Actual data rate may vary depending on environment and equipment.
Supported Storage	CPU: 1 x M.2 connector (Socket 3, M key, type 2260/2280/22110 PCIe 4.0 x4/x2 SSD support) (M2A_CPU) Chipset: 1 x M.2 connector (Socket 3, M key, type 2260/2280 PCIe 4.0 x4/x2 SSD support) (M2P_SB) 1 x M.2 connector (Socket 3, M key, type 2260/2280 PCIe 4.0 x4/x2 SSD support) (M2Q_SB) 6 x SATA 6Gb/s connectors Support for RAID 0, RAID 1, RAID 5, and RAID 10 Intel Optane Memory Ready System acceleration with Intel Optane Memory can only be enabled on the M.2 connectors supported by the Chipset.
Audio	Realtek Audio CODEC High Definition Audio 2/4/5.1/7.1-channel Support for S/PDIF Out

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Internal I/O Ports	Internal I/O Connectors 1 x 24-pin ATX main power connector 1 x 8-pin ATX 12V power connector 1 x 4-pin ATX 12V power connector 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 3 x M.2 Socket 3 connectors 6 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 1 x serial port header 2 x Thunderbolt add-in card connectors 1 x reset button 1 x reset jumper 1 x Q-Flash Plus button 1 x Clear CMOS jumper All fan headers are subject to support AIO_Pump, Pump and high performance fan with the capability of delivering up to 2A/12V @ 24W. Back Panel Connectors 1 x PS/2 keyboard/mouse port 2 x SMA antenna connectors (2T2R) 1 x DisplayPort 1 x HDMI port 1 x USB Type-C port, with USB 3.2 Gen 2x2 support 1 x USB 3.2 Gen 2 Type-A port (red) 4 x USB 3.2 Gen 1 ports 4 x USB 2.0/1.1 ports 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 module only)

Others

Basic Information

Special Features	Support for APP Center * Available applications in APP Center may vary by motherboard model. Supported functions of each application may also vary depending on motherboard specifications. @BIOS EasyTune Fast Boot Game Boost ON/OFF Charge RGB Fusion Smart Backup System Information Viewer Support for Q-Flash Plus Support for Q-Flash Support for Xpress Install
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Bundled Software	Norton Internet Security (OEM version) Realtek Gaming LAN Bandwidth Control Utility
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Warranty Information

Manufacturing Warranty	3 years
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