GIGABYTE B650 UD AC AM5 ATX Motherboard



Sale Price: 24800.0

PRODUCT ID: 0006953

Basic Information

Supported CPU	AMD Socket AM5, support for: AMD Ryzen 7000 / Ryzen 8000 / Ryzen 9000 Series Processors
Chipset	AMD B650
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	1 x PCI Express x16 slot (PCIEX16), integrated in the CPU: - AMD Ryzen 7000 Series Processors support PCIe 4.0 x16 mode - AMD Ryzen 8000 Series-Phoenix 1 Processors support PCIe 4.0 x8 mode - AMD Ryzen 8000 Series-Phoenix 2 Processors support PCIe 4.0 x4 mode * 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. 2 x PCI Express x16 slots (PCIEX1_1/PCIEX1_2), integrated in the CPU, supporting PCIe 3.0 and running at x1 * The PCIEX1_1 and PCIEX1_2 slots become unavailable when an AMD Ryzen™ 8000 Series-Phoenix 2 processor is used. 1 x PCI Express x16 slot (PCIEX1_3), integrated in the Chipset, supporting PCIe 3.0 and running at x1

Memory

Type	DDR5
Slots	4 x DIMM
Supported Memory	7600(OC)/ 7200(OC)/ 7000(OC)/ 6800(OC)/ 6600(OC)/ 6400(OC)/ 6200(OC)/ 6000(OC)/ 5600(OC)/ 5200/ 4800 MT/s memory modules Dual channel memory architecture Support for non-ECC Un-buffered DIMM 1Rx8/2Rx8/1Rx16 memory modules Support for AMD EXtended Profiles for Overclocking (AMD EXPO™) and Extreme Memory Profile (XMP) memory modules
Maximum Memory	supporting up to 192 GB (48 GB single DIMM capacity) of system memory

Information

Graphics

Graphics	supporting a maximum resolution of 3840x2160@144 Hz * Support for DisplayPort 1.4 version. 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.

Connector & Ports

HDMI	1 x HDMI
Display Port (s)	1 x DisplayPort
USB (s)	CPU: - 2 x USB 3.2 Gen 2 Type-A ports (red) on the back panel - 1 x USB Type-C port on the back panel, with USB 3.2 Gen 1 support CPU+USB 2.0 Hub: - 4 x USB 2.0/1.1 ports on the back panel Chipset: - 2 x USB 3.2 Gen 1 ports available through the internal USB header - 1 x USB Type-C port with USB 3.2 Gen 1 support, available through the internal USB header - 4 x USB 2.0/1.1 ports (2 ports on the back panel, 2 ports available through the internal USB header) Chipset+USB 2.0 Hub: - 4 x USB 2.0/1.1 ports available through the internal USB headers
LAN Port (s)	Realtek GbE LAN chip (1 Gbps/100 Mbps/10 Mbps)
Wireless Communication module	AzureWave Wi-Fi AW-CB304NF/AW-CB515NF (Realtek RTL8821CE) - WIFI 802.11a, b, g, n, ac, supporting 2.4/5 GHz Dual-Band - BLUETOOTH 5.0 - Support for 11ac wireless standard (Actual data rate may vary depending on environment and equipment.)
Supported Storage	1 x M.2 connector (M2A_CPU), integrated in the CPU, supporting Socket 3, M key, type 25110/22110/2580/2280 SSDs: - AMD Ryzen 7000 Series Processors support PCIe 5.0 x4/x2 SSDs - AMD Ryzen 8000 Series-Phoenix 1 Processors support PCIe 4.0 x4/x2 SSDs - AMD Ryzen 8000 Series-Phoenix 2 Processors support PCIe 4.0 x4/x2 SSDs 1 x M.2 connector (M2P_CPU), integrated in the CPU, supporting Socket 3, M key, type 22110/2280 SSDs: - AMD Ryzen 7000 Series Processors support PCIe 4.0 x2 SSDs - AMD Ryzen 8000 Series-Phoenix 1 Processors support PCIe 4.0 x2 SSDs - AMD Ryzen 8000 Series-Phoenix 2 Processors support PCIe 4.0 x2 SSDs 1 x M.2 connector (M2C_SB), integrated in the Chipset, supporting Socket 3, M key, type 22110/2280 PCIe 4.0 x4/x2 SSD support) 4 x SATA 6Gb/s connectors
RAID	RAID 0, RAID 1, and RAID 10 support for NVMe SSD storage devices RAID 0, RAID 1, and RAID 10 support for SATA storage devices
Audio	3 x audio jacks

Information

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 CPU fan header 1 x CPU fan/water cooling pump header 2 x system fan headers 1 x system fan/water cooling pump header 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 3 x USB 2.0/1.1 headers 1 x Q-Flash Plus button 1 x serial port header j 1 x Clear CMOS jumper Back Panel Connectors 1 x DisplayPort 1 x HDMI port 1 x PS/2 keyboard/mouse port 2 x SMA antenna connectors (2T2R) 1 x USB Type-C port, with USB 3.2 Gen 1 support
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

Special Features	Support for GIGABYTE Control Center (GCC) Support for Q-Flash Support for Q-Flash Plus
Bundled Software	Norton Internet Security (OEM version) LAN bandwidth management software

Warranty Information

Manufacturing Warranty	3 Years