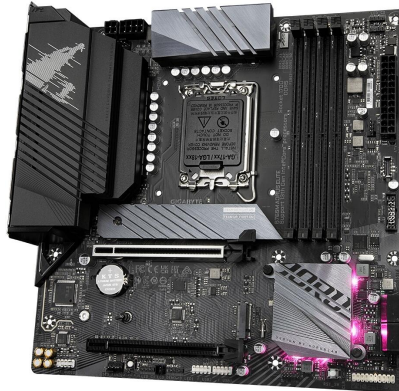


MB-GB760MAED5

Gigabyte B760M AORUS Elite D5 Intel 12th / 13th / 14th Gen Socket LGA 1700 mATX Motherboard

Product Overview

Gigabyte B760M Aorus Elite D5 Intel 12th / 13th / 14th Gen Socket LGA 1700 mATX Motherboard, Intel B760 Express Chipset, 4x DDR5 DIMM Memory slots, 1x HDMI Port, 1x DisplayPort, Realtek 2.5GbE LAN Chip, 1x PCI Express x16 slot supporting PCI-e 4.0 and running at x16, 1x PCI Express x16 slot supporting PCI-e 4.0 and running at x4, 2x M.2 connector supports up to PCI-e 4.0 x4/x2, 4x SATA 6Gb/s connectors, USB Type-C Port with USB 3.2 Gen 2x2 support, USB Type-C Port with USB 3.2 Gen 2 support, USB 3.2 Gen 2 Type-A Port, USB 3.2 Gen 1 Port, USB 2.0/1.1 Ports, 1x Q-Flash Plus Button, 1x Optical S/PDIF out connector, 2x audio jacks





Specifications

Overview Summary:

The Gigabyte B760M Aorus Elite D5 is a high-performance micro ATX motherboard built for Intel 12th, 13th, and 14th Gen processors. It delivers fast computing with DDR5 memory support, PCIe 4.0 slots, dual M.2 connectors, and high-speed USB-C ports. Perfect for gamers and content creators, this motherboard ensures stable power delivery and advanced cooling to handle demanding workloads. Shop now to build a reliable and efficient system optimized for gaming and productivity.

Enjoy seamless installation and updates with Q-Flash Plus, and benefit from a reinforced, durable design that supports long-term performance. Buy now to upgrade your PC with cutting-edge technology and high-speed connectivity.

Performance tier:High-end

Uses:Gaming, content creation, productivity, high-performance computing, PC builds

Overview:

Gigabyte B760M Aorus Elite D5 Motherboard for Intel 12th, 13th, and 14th Gen CPUs

The Gigabyte B760M Aorus Elite D5 is a high-performance mATX motherboard designed for gamers, content creators, and PC enthusiasts. Compatible with Intel 12th, 13th, and 14th Gen processors, it offers next-generation storage, advanced connectivity, and robust power delivery for stable and efficient performance.

This motherboard provides users with seamless computing through dual PCIe 4.0 M.2 slots, support for DDR5 memory, high-speed USB-C ports, and 2.5GbE LAN. Its advanced thermal design ensures low temperatures under heavy loads, while Q-Flash Plus allows BIOS updates without installing CPU, memory, or graphics cards. Perfect for building a high-speed, reliable system for gaming, productivity, and creative tasks.

Features:

High-Performance Power Delivery

The B760M Aorus Elite D5 features a Twin 12+1+1 digital VRM design for unparalleled CPU performance. This 6+6 phase parallel power solution ensures stable and efficient power, even under heavy workloads, making it ideal for overclocking and high-performance computing.

Next-Generation DDR5 Memory Support

Equipped with four DDR5 DIMM slots, this motherboard supports XMP 3.0 memory modules, enabling higher memory speeds

and improved system responsiveness. Dual-channel memory support ensures optimized performance for gaming and multitasking.

Advanced Storage Options

- Two PCIe 4.0 x4 M.2 slots for ultra-fast NVMe SSDs
- Four SATA 6Gb/s connectors for additional storage devices
- M.2 Thermal Guard and EZ-Latch Plus for improved SSD longevity and easy installation

Cutting-Edge Connectivity

Enjoy comprehensive connectivity for modern systems:

- Front USB-C 10Gb/s and rear USB-C 20Gb/s ports
- USB 3.2 Gen 2 Type-A and USB 3.2 Gen 1 ports
- HDMI and DisplayPort for multiple monitor setups
- Realtek 2.5GbE LAN for fast wired networking

Optimized Cooling with Smart Fan 6

The motherboard's advanced thermal design maintains low temperatures during high workloads and gaming:

- Fully covered MOSFET heatsink
- M.2 Thermal Guard for SSD protection
- 2X copper PCB for better heat dissipation
- Multiple temperature sensors and hybrid fan headers with FAN STOP

Intuitive Software and Customization

Personalize and control your system with ease:

- UEFI BIOS for easy system tuning
- GIGABYTE Control Center for centralized management
- Customizable lighting effects to match your setup

Durable and DIY-Friendly Design

GIGABYTE Ultra Durable design ensures long-lasting performance:

- Reinforced PCIe and memory slots for added durability
- Q-Flash Plus for BIOS updates without CPU, memory, or GPU
- DIY-friendly layout for easy installation and upgrades

Specifications:

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Specifications	
Product Code	MB-GB760MAED5
CPU	1. LGA1700 socket: Support for the 14th, 13th, and 12th Generation Intel Core , Pentium Gold and Celeron Processors
	2. L3 cache varies with CPU
Chipset	1. Intel B760 Express Chipset

Memory	1. Support for DDR5 7800(O.C.) / 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 MT/s memory modules
	2. 4 x DDR5 DIMM sockets supporting up to 256 GB (64 GB single DIMM capacity) of system memory
	3. Dual channel memory architecture
	4. Support for ECC Un-buffered DIMM 1Rx8/2Rx8 memory modules (operate in non-ECC mode)
	5. Support for non-ECC Un-buffered DIMM 1Rx8/2Rx8/1Rx16 memory modules
	6. 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" for more information.)
Onboard Graphics	Integrated Graphics Processor-Intel HD Graphics support:
	1. 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.
	2. 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.)
Audio	1. Realtek Audio CODEC
	2. High Definition Audio
	3. 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.
	4. Support for S/PDIF Out
LAN	1. Realtek 2.5GbE LAN chip (2.5 Gbps/1 Gbps/100 Mbps)
Expansion Slots	CPU:
	1. 1 x PCI Express x16 slot, supporting PCIe 4.0 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. 1 x PCI Express x16 slot, supporting PCIe 4.0 and running at x4 (PCIEX4)
	Support for AMD CrossFireX technology

Storage Interface	CPU:
	1. 1 x M.2 connector (Socket 3, M key, type 2280 PCIe 4.0 x4/x2 SSD support) (M2A_CPU)
	Chipset:
	1. 1 x M.2 connector (Socket 3, M key, type 22110/2280 PCIe 4.0 x4/x2 SSD support) (M2P_SB)
	2. 4 x SATA 6Gb/s connectors
	RAID 0, RAID 1, RAID 5, and RAID 10 support for SATA storage devices
USB	Chipset:
	1. 1 x USB Type-C port on the back panel, with USB 3.2 Gen 2x2 support
	2. 1 x USB Type-C port with USB 3.2 Gen 2 support, available through the internal USB header
	3. 1 x USB 3.2 Gen 2 Type-A port (red) on the back panel
	4. 1 x USB 3.2 Gen 1 port on the back panel
	5. 4 x USB 2.0/1.1 ports available through the internal USB headers
	Chipset+USB 3.2 Gen 1 Hub:
	1. 4 x USB 3.2 Gen 1 ports (2 ports on the back panel, 2 ports available through the internal USB header)
	Chipset+USB 2.0 Hub:
	1. 4 x USB 2.0/1.1 ports on the back panel

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Product Specification Sheet

Internal I/O Connectors	1. 1 x 24-pin ATX main power connector
	2. 1 x 8-pin ATX 12V power connector
	3. 1 x 4-pin ATX 12V power connector
	4. 1 x CPU fan header
	5. 3 x system fan headers
	6. 2 x addressable LED strip headers
	7. 2 x RGB LED strip headers
	8. 2 x M.2 Socket 3 connectors
	9. 4 x SATA 6Gb/s connectors
	10. 1 x front panel header
	11. 1 x front panel audio header
	12. 1 x USB Type-C header, with USB 3.2 Gen 2 support
	13. 1 x USB 3.2 Gen 1 header
	14. 2 x USB 2.0/1.1 headers
	15. 2 x Thunderbolt add-in card connectors
	16. 1 x Trusted Platform Module header (For the GC-TPM2.0 SPI/GC-TPM2.0 SPI 2.0 module only)
	17. 1 x Q-Flash Plus button
	18. 1 x reset button
	19. 1 x reset jumper
	20. 1 x Clear CMOS jumper
Back Panel Connectors	1. 1 x USB Type-C port, with USB 3.2 Gen 2x2 support
	2. 1 x USB 3.2 Gen 2 Type-A port (red)
	3. 3 x USB 3.2 Gen 1 ports
	4. 4 x USB 2.0/1.1 ports
	5. 1 x HDMI port
	6. 1 x DisplayPort
	7. 1 x RJ-45 port
	8. 1 x optical S/PDIF Out connector
	9. 2 x audio jacks
I/O Controller	1. iTE I/O Controller Chip

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Product Specification Sheet

H/W Monitoring	1. Voltage detection
	2. Temperature detection
	3. Fan speed detection
	4. Water cooling flow rate detection
	5. Fan fail warning
	6. Fan speed control
	* Whether the fan speed control function is supported will depend on the cooler you install.
BIOS	1. 1 x 256 Mbit flash
	2. Use of licensed AMI UEFI BIOS
	3. PnP 1.0a, DMI 2.7, WfM 2.0, SM BIOS 2.7, ACPI 5.0
Unique Features	1. 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.
	2. Support for Q-Flash
	3. Support for Q-Flash Plus
Bundled Software	1. Norton Internet Security (OEM version)
	2. LAN bandwidth management software
Operating System	1. Support for Windows 11 64-bit
	2. Support for Windows 10 64-bit
Form Factor	1. Micro ATX Form Factor , 24.4cm x 24.4cm

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://www.comx-computers.co.za/MB-GB760MAED5-Gigabyte-B760M-AORUS-Elite-D5-Intel-12th-Buy-p-328949.php>

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