Gigabyte B760M DS3H AX (rev. 1.x)

Artikel	241768
Herstellernummer	B760M DS3H AX
EAN	4719331851767
Gigabyte	

Enlarged Surface Design of MOSFET Heatsink greatly improves heat dissipation.

GIGABYTE Ultra-Efficient M.2 Thermal Guard
With durability in mind, GIGABYTE provides a thermal solution for M.2 SSD devices. The M.2 Thermal Guard prevents throttling and bottlenecks from high speed M.2 SSDs as it helps to dissipate heat before it becomes an issue.

SMART FAN 6
Smart Fan 6 contains several unique cooling features that ensure gaming PC maintain its performance while staying cool and quiet. Multiple fan headers can support PWM/DC fan and pump, and users can easily define each fan curve based on different temperature sensors across the board via intuitive user interface.

CONNECTIVITY
GIGABYTE Motherboards enable the ultimate connection experience with blazing data-transfer speeds through the next generation network, storage and Wi-Fi connectivity.

802.11ax Wi-Fi 6E
Latest Wireless solution 802.11ax WIFI 6E with new dedicated 6GHz band, enables gigabit wireless performance, provides smooth video streaming, better gaming experience, few dropped connections and speeds up to 2.4Gbps*. Moreover, Bluetooth 5 provides 4X range over BT 4.2 and with faster transmission

Benefit of WIFI 6E
1. Dedicated spectrum in 6GHz band for less interference
2. 5.5X throughput than 802.11ac 1x1*
3. 4X better network capacity, no traffic jams especially in those dense area with lots of devices
4. Network efficiency increase for better user experience

Connecting the Future - USB 3.2 Gen 2 Type-C®
The World's Next Universal Connector
The USB Type-C® is a new reversible connector that is loaded with useful features such as USB 3.2 Gen 2 support for 10Gb/s transfer speed. Powered by the Intel® USB 3.2 Gen 2 controller, this little port provides the best USB Type-C® experience possible.

High-End Audio Capacitors
GIGABYTE motherboards use high-end audio capacitors. These high quality capacitors help deliver high resolution and high fidelity audio to provide the most realistic sound effects for gamers.

Audio Noise Guard
GIGABYTE motherboards feature an audio noise guard that essentially separates the board's sensitive analog audio components from potential noise pollution at the PCB level.

PERSONALIZATION
GIGABYTE motherboards bundle several useful and intuitive software to help users to control every aspect of motherboard and provide customizable lighting effect with outstanding aesthetics to fit your unique personality.

GIGABYTE CONTROL CENTER (GCC) is a unified software for all GIGABYTE supported products. It provides newly designed intuitive user interface to control all essential function.
Unified software platform for all Gigabyte supported products
Intuitive user interface for an eased experience
Modularized control components only for installed hardware
Auto update function to keep system up to date and support future products

PCIe EZ-Latch
Unlock the latch of the PCIe slot easily when remove the graphics card in the PCIe slot.

Q-Flash Plus
Update the BIOS easily without installing the CPU, memory and graphics card.
With GIGABYTE Q-Flash Plus, you don't need to install the CPU, memory and graphics card nor enter the BIOS menu to flash the BIOS. Just download and save a new BIOS file (rename to gigabyte.bin) on the USB flash drive, then press the dedicated Q-Flash Plus button and you're good to go!

Plug 24pin & 8pin power supply cable on motherboard

Download motherboard BIOS file and rename to "gigabyte.bin", save to USB flashdrive, and plug USB flashdrive into Q-Flash USB port

Press Q-Flash Plus button, and motherboard will start updating BIOS automatically.

Zusammenfassung

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Gigabyte B760M DS3H AX (rev. 1.x), Intel, LGA 1700, Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9,..., LGA 1700, DDR5-SDRAM, 128 GB

Gigabyte B760M DS3H AX (rev. 1.x). Processor manufacturer: Intel, Processor socket: LGA 1700, Compatible processor series: Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9,.... Supported memory types: DDR5-SDRAM, Maximum internal memory: 128 GB, Memory slots type: DIMM. Supported storage drive interfaces: M.2, PCI Express 4.0, SATA III, Supported storage drive types: HDD & SSD, RAID levels: 0, 1, 5, 10. Maximum resolution: 4096 x 2304 pixels. USB connector type: USB Type-A, USB Type-C

Merkmale

Packaging content

Cables included	SATA
Bundled software	Norton Internet Security

Weight & dimensions

Width	244 mm

BIOS

BIOS type	UEFI AMI
BIOS memory size	128 Mbit
ACPI version	5.0
Clear CMOS jumper	Yes
Desktop Management Interface (DMI) version	2.7
System Management BIOS (SMBIOS) version	2.7

Depth	244 mm

Expansion slots

PCI Express x1 slots	2
PCI Express x16 slots	1
Number of M.2 (M) slots	2

Graphics

Parallel processing technology support	Not supported
Maximum resolution	4096 x 2304 pixels
HDCP	Yes

Processor

Processor manufacturer	Intel
Processor socket	LGA 1700
Compatible processor series	Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel® Pentium® Gold
Supported processor sockets	LGA 1700

Storage controllers

Supported storage drive types	HDD & SSD
Supported storage drive interfaces	M.2, PCI Express 4.0, SATA III
Number of storage drives supported	6
RAID support	Yes
RAID levels	0, 1, 5, 10

Features

Motherboard chipset	Intel B760 Express
Audio output channels	7.1 channels
PC health monitoring	Fan, Temperature, Voltage, Water cooling
Component for	PC
Motherboard form factor	micro ATX
Motherboard chipset family	Intel
Windows operating systems supported	Windows 10 x64, Windows 11 x64

Network

Ethernet LAN	Yes
Ethernet interface type	2.5 Gigabit Ethernet
Wi-Fi	Yes
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax), Wi-Fi 6E (802.11ax)
WLAN controller model	RZ608
Bluetooth	Yes
Bluetooth version	5.2

Memory

Supported memory types	DDR5-SDRAM
Number of memory slots	4
Memory slots type	DIMM
Memory channels	Dual-channel
ECC	Yes
Non-ECC	Yes
Supported memory clock speeds	7600, 7400, 7200, 7000, 6800, 6600, 6400, 6200, 6000, 5800, 5600, 5400, 5200, 4800, 4000 MHz
Supported memory clock speed (max)	7600 MHz
Maximum internal memory	128 GB
Unbuffered memory	Yes

Internal I/O

USB 2.0 connectors	2
USB 3.2 Gen 1 (3.1 Gen 1) connectors	1
Number of SATA III connectors	4
S/PDIF out connector	Yes
Front panel audio connector	Yes
Front panel connector	Yes
ATX Power connector (24-pin)	Yes
CPU fan connector	Yes
EPS power connector (8-pin)	Yes
TPM connector	Yes
12V power connector	Yes
RGB LED pin header	Yes

Rear panel I/O ports

USB 2.0 ports quantity	2
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	3
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Ethernet LAN (RJ-45) ports	1
PS/2 ports quantity	1
HDMI ports quantity	1
HDMI version	2.0
DisplayPorts quantity	2
DisplayPort version	1.2
Headphone outputs	3
Microphone in	Yes
WiFi-AP antenna jack	2
USB connector type	USB Type-A, USB Type-C