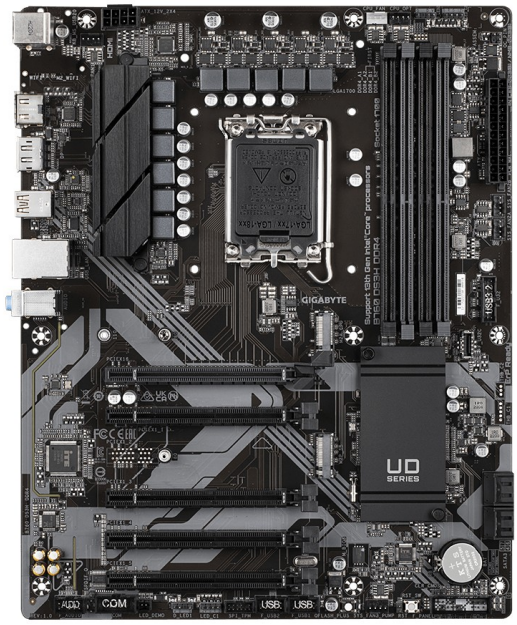
Gigabyte B760 DS3H DDR4 motherboard



Artikel	129885
Herstellernummer	B760 DS3H DDR4
EAN	4719331850746

Gigabyte

UNPARALLELED PERFORMANCE
With the fast-moving technology changes, GIGABYTE always follows the latest trends and provides customers with advanced features and latest technologies. GIGABYTE motherboards are equipped with upgraded power solution, latest storage standards and outstanding connectivity to enable optimized performance for gaming.

8+2+1 Phases Hybrid Digital VRM Design
- 8+2+1 Phases Low RDS(on) MOSFETs
- Premium Choke and Capacitors to improve transient response and minimize oscillation

GIGABYTE B760 Motherboards are ready to work with the PCIe 4.0 devices which are expected to experience triple bandwidth than the current PCIe 3.0 devices. To reach the high speed and maintain good signal integrity, GIGABYTE R&D uses the low impedance PCB to provide the maximum performance.

Shielded Memory Routing
All memory routing is under the PCB inner layer shielded by a large ground layer to protect from external interference.

GIGABYTE PerfDrive
PerfDrive technology integrates multiple GIGABYTE exclusive BIOS settings to allow users to balance between different levels of performance, power consumption, and temperature according to their needs easily when using 13th gen Intel® Core™ processors.

Smart Fan 6 BIOS UI
1. Improve fan curve UI
We increase control points from 5 to 7 and larger fan speed graph for precise and easier fan curve control.
2. Slope/Stair dual graph mode
Fan curve can be quickly switch with Slope and Stair modes for different user scenario. Slope is traditional and intuitive linear fan speed curve. With newly added Stair non-linear mode, fan keeps at same speed between specified temperature interval.
3. Manual Input
For advanced users, we provide fan speed manual input for more precise control.
4. EZ Tuning
Use can place 4 EZ Tuning points at rough temperature/fan speed, and Smart Fan 6 can quickly generate a fan curve.
5. Fan curve profile
Fan curve profile can be saved in BIOS ROM, profile will be kept after updating BIOS.

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

GbE LAN with Bandwidth Management
GbE LAN features a network bandwidth management application which helps to improve network latency and maintain low ping times

to deliver better responsiveness in crowded LAN environments.

Connecting the Future - USB 3.2 Gen 2x2 Type-C®
Featuring the USB 3.2 Gen 2x2 design which is doubled the performance than previous generation of USB 3.2 Gen 2. It works up to 20Gbps ultra-fast data transfer while connecting to USB 3.2 compliant peripherals. Through the USB Type-C® connector, users can enjoy the flexibility of reversible connection to access and store massive amounts of data rapidly.

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.

RGB Fusion Multi-Zone Light Show Design
Now offering more LED customizations than ever, users can truly adapt their PC to represent their lifestyle. With full RGB support and a redesigned RGB Fusion 2.0 application, the user has complete control over the LEDs which surround the motherboard.

Friendly User Interface
The EASY MODE shows important hardware information in one page including CPU clock, Memory, Storage, Fan.

My Favorites
Add constantly used items into the favorite menu for quick access.

Storage Information
Show all kinds of storage information including SATA, PCIE and M.2 interface.

Changelog
List all changes before saving and exiting bios. Quickly review overall settings modification.

Intuitive Load Line Curve
Clearly show each loadline calibration setting in an intuitive curve graph.

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

Multi-Key
A multi-function reset button that can be reconfigured to other function in BIOS for different user scenarios.
- **RGB Switch**
Turn off all lighting effect on motherboard.
- **Direct-To-BIOS**
Boot into BIOS menu directly without pressing any keyboard button.
- **Safe Mode**
Boot into BIOS safe mode to change specific option without losing other BIOS settings.

ULTRA DURABLE
GIGABYTE Ultra Durable™ design provides product durability and high-quality manufacturing process. GIGABYTE motherboards use the best components and reinforce every slots to make each of them solid and durable.

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!

Zusammenfassung

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Gigabyte B760 DS3H DDR4, Intel, LGA 1700, Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9,..., LGA 1700, DDR4-SDRAM, 128 GB

Gigabyte B760 DS3H DDR4. 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: DDR4-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

Expansion slots

PCI Express x16 slots	5
Number of M.2 (M) slots	2

Storage controllers

Supported storage drive types	HDD & SSD
Supported storage drive interfaces	M.2, PCI Express 4.0, SATA III
Number of storage drives	6

Packaging content

Cables included	SATA
Bundled software	Norton Internet Security

Weight & dimensions

Width	305 mm
Depth	244 mm

Graphics

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

Network

Ethernet LAN	Y
Ethernet interface type	Gigabit Ethernet
Wi-Fi	N

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

supported	
RAID support	Y
RAID levels	0, 1, 5, 10

BIOS

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

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	ATX
Motherboard chipset family	Intel
Windows operating systems supported	Windows 10 x64, Windows 11 x64

Memory

Supported memory types	DDR4-SDRAM
Number of memory slots	4
Memory slots type	DIMM
Memory channels	Dual-channel
ECC	Y
Non-ECC	Y
Supported memory clock speeds	2133,2400,2666,2933,3000,3200,3300,3333,3400,3466,3600,3666,3733,3800,3866,4000,4133,4266,4300,4400,4500,4600,4700,4800,4933,5000,5133,5333 MHz
Maximum internal memory	128 GB
Unbuffered memory	Y

Rear panel I/O ports

USB 2.0 ports quantity	4
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
USB 3.2 Gen 2x2 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	1
DisplayPort version	1.2
Headphone outputs	3
Microphone in	Y
USB connector type	USB Type-A, USB Type-C

Internal I/O

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

Preisänderungen und Irrtümer vorbehalten. Alle Produkte solange der Vorrat reicht.