



Gigabyte, MB INT B560M DS3H 1200 DDR4 M-ATX DATA SHEET

Product Information

Brand	Gigabyte
SKU	10335473
Manu Part #	B560M DS3H

Storage controllers

Supported storage drive interfaces	M.2,SATA III
Supported storage drive types	HDD & SSD

Memory

Number of memory slots	4
Supported memory types	DDR4-SDRAM
Memory slots type	DIMM
Memory channels	Dual-channel
ECC	Y

Non-ECC	Y
Supported memory clock speeds	2133,2400,2666,2933,3000,3200 MHz
Maximum internal memory	128 GB
Unbuffered memory	Y

Graphics

Number of displays supported	3
Parallel processing technology support	Not supported
Maximum resolution	4096 x 2304 pixels
HDCP	Y

Internal I/O

Number of SATA III connectors	6
Number of chassis fan connectors	3
Serial port headers	1
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

Parallel connector	Y
12V power connector	Y
RGB LED pin header	Y

Rear panel I/O ports

Ethernet LAN (RJ-45) ports	1
PS/2 ports quantity	1
VGA (D-Sub) ports quantity	1
HDMI ports quantity	1
HDMI version	1.4
DVI-D ports quantity	1
DisplayPorts quantity	1
DisplayPort version	1.2
Headphone outputs	3
Microphone in	Y
USB connector type	USB Type-A, USB Type-C

Expansion slots

PCI Express x1 slots	2
PCI Express x16 slots	1

BIOS

ACPI version	5
Desktop Management Interface (DMI) version	2.7
System Management BIOS (SMBIOS) version	2.7
BIOS type	UEFI AMI
BIOS memory size	256 Mbit
Clear CMOS jumper	Y

Features

Feature 1	Supports 11th and 10th Gen Intel® Core™ Series Processors
Feature 2	Dual Channel Non-ECC Unbuffered DDR4, 4 DIMMs
Feature 3	Direct 6+2 Phases Digital VRM Solution with Low RDS (on) MOSFETs
Feature 4	Dual Ultra-Fast NVMe PCIe 4.0/3.0 x4 M.2
Feature 5	GIGABYTE Exclusive 8118 Gaming LAN with Bandwidth Management
Feature 6	USB 3.2 Gen1 Type-C® for Fast and Versatile Connections
Feature 7	High Quality Audio Capacitors and Audio Noise Guard with LED Trace Path Lighting
Feature 8<style forecolor='#E6E6E6'>RGB FUSION 2.0 Supports Addressable LED & RGB L</style>	RGB FUSION 2.0 Supports Addressable LED & RGB LED Strips
Feature 9	Smart Fan 6 Features Multiple Temperature Sensors , Hybrid Fan Headers with FAN STOP
Feature 10	Q-Flash Plus Update BIOS without Installing the CPU, Memory and Graphics Card

Processor

Processor manufacturer	Intel
Processor socket	LGA 1200
Compatible processor series	Intel® Celeron®, Intel® Core™ i3, Intel Core i5, Intel Core i7, Intel Core i9, Intel® Pentium®
Supported processor sockets	LGA 1200 (Socket H5)

Network

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

General

Motherboard chipset	Intel B560 Express
Audio output channels	7.1 channels
PC health monitoring	Fan, Temperature, Voltage
Component for	PC
Motherboard form factor	micro ATX
Motherboard chipset family	Intel
Windows operating systems supported	Windows 10 x64

Weight & dimensions

Width	244 mm
Depth	244 mm

Packaging content

Bundled software	Norton Internet Security, Realtek 8118 Gaming LAN Bandwidth Control Utility
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Product Description

Direct 6+2 Phases Digital VRM Solution with Low RDS(on) MOSFETs Cleaner and more efficient power delivery to the CPU with better thermal performance ensure stability under high CPU frequencies and heavy loading. - Digital PWM Controller to deliver appropriate voltage to the CPU. - Direct 6+2 Phases Low RDS(on) MOSFETs without PWM Doublers, each power phase connects directly to the CPU. - All-solid capacitors to improve transient response and minimize oscillation. - 8-pin Solid Pin CPU Power Connector. 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. High Current Support Each fan headers support PWM and DC fan and Water cooling Pump , and up to 24W (12V x 2A) with Over-Current Protection Precision Control Up to 7 temperature/fan speed control points for precise fan curve Dual Curve Mode Slope/Stair dual mode for different user scenario Fan Stop Fan can stop completely below users' specified temperature point Smart Fan 6 BIOS UI Improve fan curve UI We increase control points from 5 to 7 and larger fan speed graph for precise and easier fan curve control. 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. Manual Input For advanced users, we provide fan speed manual input for more precise control. EZ Tuning Use can place 4 EZ Tuning points at rough temperature/fan speed, and Smart Fan 6 can quickly generate a fan curve. Fan curve profile Fan curve profile can be saved in BIOS ROM, profile will be kept after updating BIOS. 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. Dual PCIe 4.0/3.0 x4 M.2 Connectors GIGABYTE Ultra Durable Motherboards are focused on delivering M.2 technology to enthusiasts who want to maximize their Systems' potential. Connecting the Future - USB Type-C® The World's Next Universal Connector



or that is loaded with useful features such as USB 3.2 Gen1 support for 10Gb/s transfer speed. Powered by the Intel® USB 3.2 Gen1 controller, this little port provides the best USB Type-C® experience possible. RGB FUSION 2.0 With B560 Motherboard, RGB Fusion 2.0 is even better with Addressable LEDs. RGB Fusion 2.0 offers users the option to control onboard RGB and external RGB / Addressable LED light strips for their PC. Already feature filled with colors and patterns, RGB Fusion 2.0 on B560 Series Motherboards are now upgraded with Addressable LED support. With external Addressable LED strips, where each LED is digitally addressable, users can experience even more patterns, styles, and illuminations. With B560 Motherboard will support either 5v or 12v Addressable LED lighting strips and up to 300 LED lights. RGB Fusion 2.0 with Addressable LEDs comes with new patterns and various speed settings with more to come. With an integrated intuitive user interface, the RGB Fusion 2.0 provides you a better solution for customizing the lighting effects across all supported devices. From motherboards, graphics cards to the peripheral products, you can personalize your gaming rig with your own style and show off your build by sharing the profiles. In addition, the new gaming

mode makes the lighting effects interactive with selected games to bring you the most immersive gaming experience. GIGABYTE RGB Fusion APP Don't just make your PC shine, make it a work of art that friends will envy. With the GIGABYTE RGB Fusion mobile app users can watch as they control the lighting within their gaming PC. This gives users ease of access as they try and adjust colors and speeds for different modes, all this can be achieved away from the keyboard and monitor of their PC. Solid Pin Power Connectors B560 motherboards feature solid plated ATX 12V 8pin power connectors to offer a stable power supply during CPU overloading. Solid Pin Power connector advantages - Larger contact area for electricity - More metal quantity to sustain higher power and generated heat - Ultra durable and longer lifespan 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! START SULFURIZATION PROTECTION Sulfur compounds in the air can penetrate tiny onboard resistors creating chemical change and causing these resistors to open or short. If either of these occurs the motherboard will fail to function. By equipping resistors with an Anti-Sulfur Design GIGABYTE gives Ultra Durable Motherboards a whole new meaning. Refreshed BIOS The BIOS is essential for users during initial setup to allow for the most optimal settings. With a new GUI and easier to use functionalities, GIGABYTE has been able to reinvent the BIOS to give users a better experience while setting up their new system. APP CENTER GIGABYTE APP CENTER is a useful portal of all GIGABYTE MB utilities and drivers, you can choose any utility you want to install from APP CENTER and keep updated with the latest utilities and drivers version. EasyTune™ GIGABYTE's EasyTune™ is a simple and easy-to-use interface that allows users to fine-tune their system settings or adjust system and memory clocks and voltages in a Windows environment. With Smart Quick Boost, one click is all it takes to automatically overclock your system, giving an added performance boost when you need it the most. System Information Viewer GIGABYTE System Information Viewer is a central location that gives you access to your current system status. Monitor components such as the clocks and processor, set your preferred fan speed profile, create alerts when temperatures get too high or record your system's behavior; these are the

rmation Viewer.