



## Gigabyte GA-B150M-D3H GSM - 1.0 - motherboard - micro ATX - LGA1151 Socket - B150

Part Number: GA-B150M-D3H GSM (rev. 1.0)

### General

- Chipset Type  
Intel B150 Express
- Compatible Processors  
Pentium, Celeron, Core i5, Core i3, Core i7
- Processor Socket  
LGA1151 Socket
- Max Processors Qty  
1
- Manufacturer  
Gigabyte Technology Co. Ltd.

### Expansion / Connectivity

- Expansion Slots  
1 x CPU  
4 x DIMM 288-pin  
1 x PCIe 3.0 x16  
1 x PCIe 3.0 x16 (x4 mode)  
2 x PCI
- Storage Interfaces  
SATA-600 -connectors: 6 x 7pin SATA, 1 x M.2, 1 x SATA Express port
- Internal Interfaces  
4 x USB 2.0 - header  
2 x USB 3.0 - header  
1 x audio - header  
1 x SPDIF out - header  
1 x serial - header  
1 x parallel - header  
1 x Thunderbolt - header
- Power Connectors  
24-pin main power connector, 8-pin ATX12V connector

### Processor

- Max Supported Qty  
1
- Installed Qty  
0

## Miscellaneous

- Product Type  
motherboard

## Audio

- Audio Codec  
Realtek ALC892
- Compliant Standards  
High Definition Audio

## Memory

- Max Allocated RAM Size  
512 MB

## Networking

- Data Link Protocol  
Ethernet, Fast Ethernet, Gigabit Ethernet
- Network  
Gigabit Ethernet

## Processor / Memory / Storage

- Max Supported Qty  
1

## Interface Provided

- Qty  
1, 2, 4
- Type  
DVI-D, HDMI, LAN (Gigabit Ethernet), PS/2 keyboard / mouse, USB 2.0, USB 3.0, VGA, audio line-in, audio line-out, audio line-out (center/subwoofer), audio line-out (rear), audio line-out (side surround), microphone
- Connector Type  
mini-jack

## Graphics

- Max Allocated RAM Size  
512 MB

## Video

- Video Output  
graphics adapter (CPU required)

## **Audio Output**

- Compliant Standards  
High Definition Audio
- Type  
sound card
- Audio Codec  
Realtek ALC892
- Audio  
High Definition Audio (8-channel)

## **RAM**

- Max Supported Size  
64 GB
- Features  
dual channel memory architecture

## **LAN**

- Network Interfaces  
Gigabit Ethernet

## **Supported RAM**

- Bus Clock  
2133 MHz
- Registered or Buffered  
Unbuffered
- Features  
Dual channel memory architecture
- Technology  
DDR4
- Max Size  
64 GB

## **Header**

- Brand  
GIGABYTE
- Product Line  
Gigabyte
- Model  
GA-B150M-D3H GSM
- Packaged Quantity  
1
- Compatibility  
PC
- Revision  
1.0

## Mainboard

- Form Factor  
micro ATX
- Processor Socket  
LGA1151 Socket
- Compatible Processors  
Celeron, Core i3, Core i5, Core i7, Pentium
- Chipset Type  
Intel B150 Express
- Supported RAM Technology  
DDR4 SDRAM
- Supported RAM Speed  
2133 MHz
- Supported RAM (Registered or Buffered)  
unbuffered
- RAM Slots  
4 DIMM slots
- Power Connectors  
24-pin main power connector, 8-pin ATX12V connector

## Mainboard Features

- BIOS Type  
AMI
- BIOS Features  
ACPI 5.0 support, DMI 2.7 support, Dual BIOS, SMBIOS 2.7 support, UEFI BIOS, WfM 2.0 support
- Hardware Monitoring  
CPU core temperature, CPU fan tachometer, CPU overheating protection, chassis fan tachometer, chassis temperature, system voltage
- Hardware Features  
AMD CrossFireX technology support, Audio Noise Guard with Path Lighting, AutoGreen, Clear CMOS Button, Easy RAID Installer, GIGABYTE Smart Switch, Intel Small Business Advantage support, Q-Flash, Ultra Durable

## Interfaces

- Storage  
M.2 socket, SATA Express port, Serial ATA-600
- Storage Ports  
6 x SATA-600, 1 x SATA Express port, 1 x M.2
- USB 3.0 / FireWire  
USB 3.0
- USB / FireWire Ports Configuration (Active)  
4 x USB 3.0 + 2 x USB 2.0

## Expansion Slots

- Total Qty  
1, 2, 4
- Slot Comments  
x4 mode
- Type  
CPU, DIMM 288-pin, PCI, PCIe 3.0 x16

## Software

- Software Included  
@BIOS, Cloud Station, EasyTune, GIGABYTE App Center, GIGABYTE Fast Boot, GIGABYTE Smart Backup, GIGABYTE Smart Keyboard, GIGABYTE USB Blocker, Norton Internet Security, Smart TimeLock, Xpress Install, cFosSpeed

## Video Memory

- Max Allocated RAM Size  
512 MB

## Dimensions & Weight

- Width  
9.6 in
- Depth  
8.9 in

## Service & Support

- Type  
3 years warranty

## Storage Interfaces

- Interface  
Serial ATA-600
- Connector(s)  
6 x 7pin Serial ATA, 1 x M.2, 1 x SATA Express port

## Service & Support Details

- Type  
limited warranty
- Full Contract Period  
3 years

## Internal Interfaces

- Type  
SPDIF out, Thunderbolt, USB 2.0, USB 3.0, audio, parallel, serial
- Connector Type  
header
- Qty  
1, 2, 4

## Features

- BIOS Type  
AMI
- BIOS Features  
WfM 2.0 support, UEFI BIOS, SMBIOS 2.7 support, DMI 2.7 support, ACPI 5.0 support, Dual BIOS
- Hardware Features  
Q-Flash, AutoGreen, Ultra Durable, AMD CrossFireX technology support, Intel Small Business Advantage support, Easy RAID Installer, Audio Noise Guard with Path Lighting, Clear CMOS Button, GIGABYTE Smart Switch
- Hardware Monitoring  
CPU core temperature, chassis temperature, CPU fan tachometer, chassis fan tachometer, system voltage, CPU overheating protection

## General

- Manufacturer  
Gigabyte Technology Co. Ltd.