

GIGABYTE B450M S2H AMD AM4 Micro ATX Motherboard

Sale Price: 9500.0



PRODUCT ID: 02564

Basic

Information

Supported CPU	AM4 Socket Support for AMD Ryzen 2nd Generation/ Ryzen with Radeon Vega Graphics/ Athlon with Radeon Vega Graphics/ Ryzen 1st Generation Processors
Chipset	AMD B450
BIOS	1 x 128 Mbit flash Use of licensed AMI UEFI BIOS PnP 1.0a, DMI 2.7, WfM 2.0, SM BIOS 2.7, ACPI 5.0
Form Factor	Micro ATX Form Factor; 24.4cm x 20.5cm

Expansion

Slots

PCI	1 x PCI Express x16 slot, running at x16 (The PCIEX16 slot conforms to PCI Express 3.0 standard.) 2 x PCI Express x1 slots (The PCI Express x1 slot conforms to PCI Express 2.0 standard.)
M.2 Socket	1 x M.2 Socket 3 connector 1 x M.2 connector (Socket 3, M key, type 2242/2260/2280 SATA and PCIe x4/x2 SSD support) Supports only M.2 SATA SSDs when using an AMD Athlon 200-series/ 7th Generation A-series or Athlon APU.

Memory

Type	Dual channel memory architecture
Slots	- 2 x DDR4 DIMM sockets supporting up to 32 GB of system memory
Supported Memory	- Support for DDR4 3200(O.C.)/2933/2667/2400/2133 MHz memory modules - Support for ECC Un-buffered DIMM 1Rx8/2Rx8 memory modules (operate in non-ECC mode) - Support for non-ECC Un-buffered DIMM 1Rx8/2Rx8/1Rx16 memory modules - Support for Extreme Memory Profile (XMP) memory modules
Maximum Memory	32 GB

Basic Information

Graphics

Graphics

1 x D-Sub port, supporting a maximum resolution of 1920x1200 at 60 Hz

1 x DVI-D port, supporting a maximum resolution of 1920x1200 at 60 Hz

The DVI-D port does not support D-Sub connection by adapter.

1 x HDMI port, supporting a maximum resolution of 4096x2160 at 60 Hz(Note)

Support for HDMI 2.0 version and HDCP 2.2.(Note)

Maximum shared memory of 2 GB

(Note) Actual support may vary by CPU.

Max Shared Memory

2 GB

Connector & Ports

HDMI

1 x HDMI port, supporting a maximum resolution of 4096x2160 at 60 Hz

Support for HDMI 2.0 version and HDCP 2.2.

1 x HDMI port

D-Sub (s)

1 x D-Sub port, supporting a maximum resolution of 1920x1200 at 60 Hz

DVI-D (s)

1 x DVI-D port, supporting a maximum resolution of 1920x1200 at 60 Hz

USB (s)

Chipset:

2 x USB 3.1 Gen 1 ports available through the internal USB header

6 x USB 2.0/1.1 ports (2 ports on the back panel, 4 ports available through the internal USB headers)

CPU:

4 x USB 3.1 Gen 1 ports on the back panel

LAN Port (s)

Realtek GbE LAN chip (10/100/1000 Mbit)

Supported Storage

1 x M.2 connector (Socket 3, M key, type 2242/2260/2280 SATA and PCIe x4/x2 SSD support)

Supports only M.2 SATA SSDs when using an AMD Athlon 200-series/ 7th Generation A-series or Athlon APU.

4 x SATA 6Gb/s connectors

Support for RAID 0, RAID 1, and RAID 10

Audio

Realtek ALC887 codec

High Definition Audio

2/4/5.1/7.1-channel

To configure 7.1-channel audio, you have to use an HD front panel audio module and enable the multi-channel audio feature through the audio driver.

Support for S/PDIF Out

Basic Information

Internal I/O Ports	1 x 24-pin ATX main power connector 1 x 8-pin ATX 12V power connector 1 x CPU fan header 1 x system fan header 1 x M.2 Socket 3 connector 4 x SATA 6Gb/s connectors 1 x front panel header 1 x front panel audio header 1 x S/PDIF Out header 1 x CPU cooler LED strip/RGB LED strip header 1 x USB 3.1 Gen 1 header 2 x USB 2.0/1.1 headers 1 x speaker header 1 x Clear CMOS jumper 1 x chassis intrusion header
TPM (Trusted Platform Module)	1 x Trusted Platform Module (TPM) header (2x6 pin, for the GC-TPM2.0_S module only)

Others

Special Features	Support for APP Center Available applications in APP Center may vary by motherboard model. Supported functions of each application may also vary depending on motherboard specifications. BIOS 3D OSD AutoGreen Cloud Station EasyTune Fast Boot Game Boost ON/OFF Charge RGB Fusion Smart Backup Smart Keyboard Smart TimeLock Smart HUD Smart Survey System Information Viewer USB Blocker Support for Q-Flash Support for Xpress Install
Bundled Software	Norton Internet Security (OEM version) Realtek 8118 Gaming LAN Bandwidth Control Utility



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Basic

Information

Warranty

Information

Manufacturing
Warranty

03 years warranty