

## GIGABYTE B650M S2H AM5 Micro-ATX Motherboard

Sale Price: 14300.0



PRODUCT ID: 0001220

### Basic Information

|               |                                                                                                          |
|---------------|----------------------------------------------------------------------------------------------------------|
| Supported CPU | AMD Socket AM5, support for:<br>AMD Ryzen™ 8000 & 7000 Series Processors                                 |
| Chipset       | AMD B650                                                                                                 |
| BIOS          | 1 x 256 Mbit flash<br>Use of licensed AMI UEFI BIOS<br>PnP 1.0a, DMI 2.7, WfM 2.0, SM BIOS 2.7, ACPI 5.0 |
| Form Factor   | Micro ATX Form Factor; 23.0cm x 22.5cm                                                                   |
| Audio         | Realtek Audio CODEC<br>High Definition Audio<br>2/4/5.1/7.1-channel                                      |

### Expansion Slots

|     |                                                                                                                                                            |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PCI | CPU:<br>- 1 x PCI Express x16 slot, supporting PCIe 4.0 and running at x16<br>Chipset:<br>- 1 x PCI Express x1 slot, supporting PCIe 3.0 and running at x1 |
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### Memory

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| Type             | DDR5                                                                                                                                                                                                                                                                                                                             |
| Slots            | 2 x DIMM                                                                                                                                                                                                                                                                                                                         |
| Supported Memory | Support for DDR5 6400(OC) / 6200(OC) / 6000(OC) / 5600(OC) / 5200 / 4800 / 4400 MT/s memory modules<br>Dual channel memory architecture<br>Support for non-ECC Un-buffered DIMM 1Rx8/2Rx8/1Rx16 memory modules<br>Support for AMD Extended Profiles for Overclocking (AMD EXPO™) and Extreme Memory Profile (XMP) memory modules |
| Maximum Memory   | up to 96 GB (48 GB single DIMM capacity)                                                                                                                                                                                                                                                                                         |

### Graphics

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| Graphics | Integrated Graphics Processor:<br>- 1 x D-Sub port, supporting a maximum resolution of 1920x1200@60 Hz<br>- 1 x DisplayPort, supporting a maximum resolution of 3840x2160@144 Hz |
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### Connector & Ports

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| HDMI                           | 1 x HDMI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Display Port (s)               | 1 x DisplayPort                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| D-Sub (s)                      | 1 x D-Sub port                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| USB (s)                        | CPU:<br>- 2 x USB 3.2 Gen 1 ports on the back panel<br>- 1 x USB 2.0/1.1 port on the back panel<br>Chipset:<br>- 2 x USB 3.2 Gen 1 ports available through the internal USB header<br>- 7 x USB 2.0/1.1 ports (3 ports on the back panel, 4 ports available through the internal USB headers)                                                                                                                                                                                                                                                                                                                                                                                                         |
| LAN Port (s)                   | Realtek GbE LAN chip (1 Gbps/100 Mbps/10 Mbps)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Supported Storage              | CPU:<br>- 1 x M.2 connector (Socket 3, M key, type 2580 PCIe 4.0 x4/x2 SSD support)<br>Chipset:<br>- 4 x SATA 6Gb/s connectors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| RAID                           | RAID 0, RAID 1, and RAID 10 support for NVMe SSD storage devices<br>RAID 0, RAID 1, and RAID 10 support for SATA storage devices                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Audio                          | 3 x audio jacks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Internal I/O Ports             | Internal I/O Connectors<br>1 x 24-pin ATX main power connector<br>1 x 8-pin ATX 12V power connector<br>1 x CPU fan header<br>2 x system fan headers<br>1 x addressable LED strip header<br>1 x RGB LED strip header<br>1 x M.2 Socket 3 connector<br>4 x SATA 6Gb/s connectors<br>1 x front panel header<br>1 x front panel audio header<br>1 x USB 3.2 Gen 1 header<br>2 x USB 2.0/1.1 headers<br>1 x Trusted Platform Module header (For the GC-TPM2.0 SPI/GC-TPM2.0 SPI 2.0 / GC-TPM2.0 SPI V2 module only)<br>1 x Clear CMOS jumper<br><br>Back Panel Connectors<br>4 x USB 2.0/1.1 ports<br>1 x PS/2 keyboard/mouse port<br>1 x Q-Flash Plus button<br>2 x USB 3.2 Gen 1 ports<br>1 x RJ-45 port |
| TPM (Trusted Platform Module ) | 1 x Trusted Platform Module header (For the GC-TPM2.0 SPI/GC-TPM2.0 SPI 2.0 module only)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## Others

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| Special Features | Support for GIGABYTE Control Center (GCC)<br>Support for Q-Flash<br>Support for Q-Flash Plus |
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Bundled Software

Norton Internet Security (OEM version)

LAN bandwidth management software

## Warranty

## Information

Manufacturing Warranty

3 Years