



Mainboard
ASROCK AMD
B650 SAM5
Micro-ATX
Memory DDR5
Memory slots 2
1xPCI-E 2xPCI-
Express 4.0 1x
1xPCI-Express
4.0 16x 1xM.2
1xHDMI
1xDisplayPort
1xAudio-In
1xAudio-Out
1xMicrophone
2xUSB 2.0
3xUSB 3.2
1xUSB-C 1xRJ45
B650M-H/M.2+

Model: B650M-H/M.2+

The product information provided is for reference purposes only. Technical specifications, photos, descriptions and prices may change without prior notice. The manufacturer and seller are not responsible for possible data discrepancies or typographical errors. We recommend checking the current information before purchasing.

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Manufacturer: ASROCK

EAN: 4710483943768

Product Code: 725812

R2,441

Optimized VRM Design

Featuring sturdy components optimized for AMD Ryzen™ 7000X3D series processors, offering enhanced performance for gamers.

6 Layer PCB

The 6 Layer PCB provides stable signal traces and power shapes delivering lower temperature and higher energy efficiency, giving a stable and reliable system.

Reinforced Steel Slot

[PCIe 4.0 Version]

The reinforced steel slot is capable of supporting PCI Express 4.0 standard. The various benefits include:

- ✓ Extra anchor points
- ✓ Stronger latch
- ✓ Ensure signal stability
- ✓ Make sure heavy graphics cards to be well-installed.

Audio That Matters

Whether you are using headphones, a headset, external or internal speakers, via USB, Wi-Fi, analog output or even HDMI, Nahimic Audio offers you the most engaging listening experience, vibrant and rich with details.

Enhance Communication Quality

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The Powerful algorithms to ensure the best noise-free conversation, giving a constant vocal level no matter the distance from your mic. The Nahimic audio engine dynamically clear the sound and remove interference noise and lower the voice variation. Result is a better comprehension and less fatigue.

- Static Noise Suppression
- Echo Cancellation
- Lateral Sound Cancellation
- Voice Stabilizer

Ultimate Gaming Experience

- Sound Tracker

The Sound Tracker is a visual indicator that points out the directions from which predominant sounds are coming. Each sound is properly positioned in 360° on a radar for a full immersion during the game.

- Works on any devices!

Enjoy the vibrant and high-quality Surround Sound on all your favorite audio devices: Jack, USB, Bluetooth, HDMI, S/PDIF. Nahimic is compatible with all of your favorite audio tools and ensures the best sound with any of them. Nahimic measure and improve to optimize our technology and offer you the best experience.

PCIe Gen5 Blazing M.2

The Blazing M.2 accommodates the latest PCI Express 5.0 standard to perform twice the bandwidth compared to previous generation, with a breathtaking 128Gb/s transfer speed, it is ready to unleash the full potential of future ultrafast SSDs.

USB 3.2 Gen1 Type-C

USB 3.2 Gen1 Type-C delivers up to 5 Gbps data transfer rate and next generation reversible USB design to the rear panel of computer case.

M.2 (KEY E) For WiFi

Besides the onboard LAN port, users may also choose wireless connections by M.2 (Key E) slot.

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Auto Driver Installer

Optical drive or driver DVD is no longer needed! ASRock motherboard already has its Ethernet driver prepacked in BIOS ROM, once finish installing the operation system, simply follow the instructions and allow ADI to download and install all necessary drivers automatically!

Step1: Install Auto Driver Installer

Step2: ADI will automatically download and install all necessary drivers.

Step3: Done!

BIOS Flashback

Get the most convenient BIOS flashing with just a simple click. Users can easily achieve the latest BIOS support with a USB and power supply, No CPU, RAM or other components required.

- Supports AMD Socket AM5 Ryzen™ 8000 and 7000 Series Processors
- 6+1+1 Power Phase Dr.MOS, Supports up to 120W CPU
- 2 x DDR5 DIMMs, supports up to 6400+(OC)
- 1 PCIe 4.0 x16, 2 PCIe 4.0 x1, 1 M.2 Key E for WiFi
- Integrated AMD RDNA™ 2 Graphics *
- Graphics Output Options: HDMI, DisplayPort
- Realtek ALC897 7.1 CH HD Audio Codec, Nahimic Audio
- 4 SATA3, 1 Blazing M.2 (PCIe Gen5 x4), 1 Hyper M.2 (PCIe Gen4 x4)
- 6 USB 3.2 Gen1 (3 Rear, 1 Rear Type-C, 2 Front)
- Realtek Gigabit LAN

Summary: Asrock B650M-H/M.2+. Processor manufacturer: AMD, Processor socket: Socket AM5. Supported memory types: DDR5-SDRAM, Maximum internal memory: 96 GB, Memory slots type: DIMM. Supported storage drive interfaces: M.2, SATA III, RAID levels: 0, 1, 10. Graphics card family: AMD. Ethernet interface type: Gigabit Ethernet, LAN controller: Realtek RTL8111H | Vendor Homepage: <https://www.asrock.com/MB/AMD/B650M-HM.2+/index.asp#Overview> | Audio output channels: 7.1 | Component for: PC | Motherboard chipset: AMD B650 | Motherboard chipset family: AMD | Motherboard form factor: micro ATX | Windows operating systems supported: Windows 10 x64/Windows 11 x64 | Maximum number of SMP processors: 1 | Processor manufacturer: AMD | Processor socket: Socket AM5 | ECC compatibility: ECC & Non-ECC | Maximum internal memory: 96 | Memory channels: Dual-channel | Memory slots type: DIMM | Number of memory slots: 2 | Supported memory types: DDR5-SDRAM | Unbuffered memory: Yes | Number of storage drives supported: 6 |

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RAID levels: 0/1/10 | RAID support: Yes | Supported storage drive interfaces: M.2,SATA III | Graphics card family: AMD | ATX Power connector (24-pin): Yes | CPU fan connector: Yes | Front panel audio connector: Yes | Number of SATA III connectors: 4 | TPM connector: Yes | USB 2.0 connectors: 2 | USB 3.2 Gen 1 (3.1 Gen 1) connectors: 1 | DisplayPort version: 1.4 | DisplayPorts quantity: 1 | Ethernet LAN (RJ-45) ports: 1 | HDMI ports quantity: 1 | Line-in: Yes | Microphone in: Yes | USB 2.0 ports quantity: 2 | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity: 3 | USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity: 1 | Ethernet interface type: Gigabit Ethernet | Ethernet LAN: Yes | LAN controller: Realtek RTL8111H | Wi-Fi: No | Number of M.2 (M) slots: 1 | PCI Express x1 (Gen 4.x) slots: 2 | PCI Express x16 (Gen 4.x) slots: 1 | BIOS type: UEFI AMI | Depth: 226 | Width: 244 | Product Net Weight: 1 | Shipping Box Height: 29.5 | Unit Calculated Volume: 0.005513 | Unit Calculated Weight: 1.11 | Units per Shipping Box: 10 | Model: B650M-H/M.2+

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