

6 best AMD motherboards for gaming

Gamers have experienced over two years of hardware shortages and sky-high prices. This is finally the right time to build a gaming PC.

If you've decided to go with an AMD Ryzen CPU, you may be confused about which motherboard to pair it with. If you're looking for the best option, there are several AMD gaming motherboards to choose from, depending on the generation of Ryzen CPUs you choose.

Gigabyte X570 Aorus Elite WiFi

Price: \$191.26



If you don't want to compromise on anything the AM4 has to offer, then the Gigabyte X570 Aorus Elite WiFi is a mid-range option worth considering. The X570 is a higher-end chipset on the AM4 platform, allowing you to run multiple PCIe 4.0 SSDs, and overclock and undervolt your Ryzen CPUs better than the B550 chipset. With the X570 Aorus Elite WiFi, you can connect wirelessly to your home network without the hassle of routing Ethernet cables. You can also update the BIOS without installing the CPU to enable support for Ryzen 5000 CPUs. At around VND 4.6 million, this motherboard presents an impressive balance between price and features.

Advantage

1. Great design with 2 main colors black and gray
2. Two PCIe 4.0 M.2 ports to run multiple high-speed SSDs

3. Built-in I/O shield
4. Solid VRM with 12+2 phase design for amazingly stable overclocking
5. Pre-installed heatsink on main M.2 slot

Defect

1. No USB-C port
2. No DisplayPort
3. Only two ARGB headers

Gigabyte B550 Aorus Elite AX V2

Price: \$169.99



The AM4 platform aims to maximize value for money while building a powerful gaming rig. This is where the Gigabyte B550 Aorus Elite AX V2 really shines. For more than VND 4 million, you get a great heatsink design, along with built-in WiFi and two M.2 slots. Since it's a B550 board, only one of those slots can use PCIe 4.0, but that's still more than enough for your everyday gaming and productivity tasks.

Advantage

1. Great design, same as X570 Aorus Elite WiFi
2. Integrated I/O shield at the back
3. 12+2 phase VRM solution for good overclocking
4. Pre-installed heatsinks for each M.2 slot
5. Q-Flash Plus at the back for easy access
6. 1 DisplayPort (not included in the X570 Aorus Elite WiFi)
7. Bluetooth 5.0 for better connection

Defect

1. Only one M.2 port supports PCIe 4.0
2. Only two ARGB headers

Asus ROG Strix X570-I Gaming

Price: \$289.99



For ITX enthusiasts looking for a mini-ITX gaming motherboard, the Asus ROG Strix X570-I Gaming is probably the best choice. At an affordable price point, this compact motherboard packs a lot of useful and game-focused features. It looks stunning with the stylish graffiti on the M.2 heatsink, has all the connectivity options you need, and RGB so you can stay in sync with the rest of your components. The onboard power and cooling solutions are well-equipped to address the limitations of a small form factor PC while delivering incredible gaming performance.

Advantage

1. Impressive ROG Strix design with subtle RGB
2. Built-in WiFi for seamless network connection
3. Wide range of connectivity options to suit the price, including DisplayPort 1.4, HDMI 2.0, USB-C and 8 at the rear
4. Two M.2 ports supporting PCIe 4.0
5. Pre-installed heatsink for M.2 . port
6. DTS Sound Unbound support for high fidelity audio
7. High quality capacitors and active cooling VRM for stable and cool performance

Defect

1. Only two DDR4 . memory slots
2. Only one ARGB header

Asus ROG Strix X670-E Gaming WiFi

Price: \$499.99



Switching to AM5 motherboards, both feature set and price tend to increase at breakneck speed. The Asus ROG Strix X670-E Gaming WiFi is one of the best mid-range X670-E (Extreme) boards you can get, including everything you could ask for in a gaming rig. There's nothing to complain about here: Pleasant PCB design with premium build quality, loads of next-gen connectivity options, blazing-fast PCIe 5 and DDR5 support, and a handful of quality features that won't go unnoticed. you will surely love.

Advantage

1. Powerful power supply with 18+2 phase VRM solution
2. Maximum cooling with three pre-installed M.2 heatsinks and an extra heatsink
3. Beautiful design with Asus Aura Sync RGB on VRM heatsink
4. Supports high-speed storage with three PCIe 5.0 M.2 slots and one PCIe 4.0 . slot
5. Supports super-fast DDR5 memory up to 6400 MT/s
6. Convenient features such as onboard diagnostic display, BIOS Flashback button, easy-to-remove M.2 and PCIe slots
7. Built-in allows access to the low-noise 6GHz band

Defect

1. A bit of a waste of money if the features are not fully utilized

Asus ROG Strix B650E-F Gaming WiFi

Price: \$297.45



'Value' may not come to mind when buying an AM5 board, but the Asus ROG Strix B650E-F Gaming WiFi is different. As one of the flagship B650 motherboards from Asus, the B650E-F Gaming WiFi, offers most of the best features in the aforementioned X670-E Gaming WiFi. It has a PCIe 5.0 M.2 connection, a heatsink design, multiple high-speed USB ports, and built-in WiFi 6E. For about 7 million VND, you still get the signature ROG Strix interface and a lot of Asus' game-friendly features.

Advantage

1. Ready to overclock with 12+2 phase VRM solution
2. Finish quality beats the price with high quality cooling capacitors and heatsink
3. Fast storage with one PCIe 5.0 slot and two PCIe 4.0 M.2 . slots
4. Pre-installed heatsinks for all three M.2 . slots
5. Easily remove the PCIe and M.2 slots and BIOS Flashback button
6. DDR5 memory speeds up to 6400 MT/s
7. Powerful RGB with three ARGB headers and one Aura RGB header
8. WiFi 6E and Bluetooth 5.2 fast, low interference

Defect

1. No USB4 port
2. Limited to 1 single PCIe 5.0 M.2 slot

Gigabyte B650I Aorus Ultra

Price: \$269.99



Gigabyte has delivered a solid product at an affordable price point in the Gigabyte B650I Aorus Ultra. This mini-ITX board has up to three M.2 slots, one of which supports PCIe 5.0. No need to sacrifice a lot of features for a small size. You'll still get powerful heatsinks combined with an equally capable power solution. Other valuable features include easily removable M.2 and PCIe slots, high-fidelity audio, and easy BIOS flashing. Seriously, what more could you ask for at this size and price point?

Advantage

1. Outstanding feature set for mini-ITX boards at this price point
2. Eye-catching black and white design
3. Quick release and screw-free connectors for GPUs and SSDs
4. No compromise on connectivity with Wi-Fi 6E, Bluetooth 5.2, and multiple onboard USB 3.2 ports
5. Fully covered M.2 slots for active cooling
6. One-click BIOS update with Q-Flash Plus

Defect

1. No optical audio port
2. Only two DDR5 . memory slots

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