



GIGABYTE B550 Gaming X V2 Motherboard - Supports AMD Ryzen 5000 Series AM4 CPUs, 10+3 Phases Digital Twin Power Design, up to 4733MHz DDR4 (OC), 2xPCIe 3.0 M.2, GbE LAN, USB 3.2 Gen1



Brand : GIGABYTE

Product code: B550 GAMING X V2

Product name : B550 Gaming X V2 Motherboard - Supports AMD Ryzen 5000 Series AM4 CPUs, 10+3 Phases Digital Twin Power Design, up to 4733MHz DDR4 (OC), 2xPCIe 3.0 M.2, GbE LAN, USB 3.2 Gen1

AMD AM4, AMD B550, 4 x DDR4 DIMM, Gigabit LAN, 7.1 Audio, 4 x SATA 6Gb/s, 1 x HDMI, 1 x RJ-45, ATX

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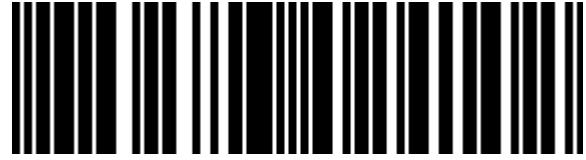
Elevate your computing experience with GIGABYTE's renowned motherboard series: AORUS, AERO, and GIGABYTE. Featuring innovative designs and advanced features, these boards offer exceptional performance and reliability. Whether you're a gamer, content creator, or professional, our series cater to your needs, ensuring uncompromising quality and cutting-edge technology.

| Processor | | Rear panel I/O ports | |
|--|--|--------------------------------------|---|
| Processor manufacturer * | AMD | USB connector type | USB Type-A |
| Processor socket * | Socket AM4 | Network | |
| Compatible processor series * | AMD Ryzen™ 3, 2nd Generation | Ethernet LAN | ✓ |
| | AMD Ryzen™ 3, 3rd Generation | Ethernet interface type | Gigabit Ethernet |
| | AMD Ryzen™ 3, AMD Ryzen™ 5, 2nd Generation AMD Ryzen™ 5, 3rd Generation AMD Ryzen 5 | Wi-Fi * | ✗ |
| Maximum internal memory supported by processor | 128 GB | Features | |
| Memory | | Motherboard chipset * | AMD B550 |
| Supported memory types * | DDR4-SDRAM | Audio chip | Realtek ALC887 |
| Number of memory slots * | 4 | Audio output channels * | 7.1 channels |
| Memory slots type | DIMM | Product colour | Brown |
| Memory channels | Dual-channel | PC health monitoring | CPU, Fan, LED, Power supply, Temperature, Voltage |
| ECC | ✓ | Component for * | PC |
| ECC compatibility | ECC & Non-ECC | Motherboard form factor * | ATX |
| Non-ECC | ✓ | Motherboard chipset family * | AMD |
| Supported memory clock speeds | 2133,2400,2667,2933,3200,3300,3333,3400,3466,3600,3733,3800,3866,4000,4266,4400,4733 MHz | Cooling type | Active |
| Supported memory clock speed (max) | 4733 MHz | Power source type | ATX |
| Maximum internal memory * | 128 GB | Supported processor sockets (cooler) | Socket AM4 |
| Supported memory module capacities | 1GB, 2GB, 4GB, 8GB, 16GB, 32GB | Windows operating systems supported | Windows 10 x64, Windows 11 x64 |
| Storage controllers | | Expansion slots | |
| Supported storage drive types | HDD & SSD | PCI Express x1 slots | 3 |
| Supported storage drive interfaces * | M.2, SATA III | PCI Express x1 (Gen 3.x) slots | 3 |
| Number of HDDs supported | 4 | PCI Express x16 slots | 2 |
| Number of storage drives supported | 6 | PCI Express x16 (Gen 3.x) slots | 1 |
| RAID support | ✓ | PCI Express x16 (Gen 4.x) slots | 1 |
| RAID levels | 0, 1, 10 | Number of M.2 (M) slots | 2 |
| Graphics | | BIOS | |
| Maximum graphics card memory | 16 MB | BIOS type * | UEFI AMI |
| Parallel processing technology support * | Not supported | BIOS memory size | 256 Mbit |
| On-board graphics card | ✗ | ACPI version | 5.0 |
| Graphics card family | AMD | Clear CMOS jumper | ✓ |
| HDCP | ✓ | | |
| DirectX version | 12.0 | | |
| Internal I/O | | | |
| USB 2.0 connectors * | 2 | | |

| Internal I/O | | BIOS | |
|---|-----|--|------------------------------------|
| USB 3.2 Gen 1 (3.1 Gen 1) connectors * | 2 | Desktop Management Interface (DMI) version | 2.7 |
| Number of SATA III connectors * | 4 | System Management BIOS (SMBIOS) version | 2.7 |
| Total number of SATA connectors | 4 | Logistics data | |
| S/PDIF out connector | ✗ | Country of origin | China |
| Front panel audio connector | ✓ | Products per shipping (inner) case | 1 pc(s) |
| Front panel connector | ✓ | Harmonized System (HS) code | 84733020 |
| ATX Power connector (24-pin) | ✓ | Battery | |
| Power fan connector | ✓ | Battery weight | 3 g |
| CPU fan connector | ✓ | Lithium weight per battery | 0.07 g |
| TPM connector | ✓ | Number of battery cells | 1 |
| 12V power connector | ✓ | Battery technology | Lithium-Manganese Dioxide (LiMnO2) |
| RGB LED pin header | ✓ | Battery type | CR2032 |
| Rear panel I/O ports | | Packaging data | |
| USB 2.0 ports quantity * | 2 | Package width | 335 mm |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 3 | Package depth | 270 mm |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity * | 1 | Package height | 80 mm |
| Ethernet LAN (RJ-45) ports * | 1 | Package weight | 1.71 kg |
| PS/2 ports quantity | 1 | Weight & dimensions | |
| HDMI ports quantity * | 1 | Width | 305 mm |
| HDMI version | 2.1 | Depth | 244 mm |
| DVI-D ports quantity * | 1 | Height | 35 mm |
| Headphone outputs | 1 | Packaging content | |
| Microphone in | ✓ | Batteries included | ✓ |
| | | Other features | |
| | | DVI port | ✓ |
| | | Supported DIMM module capacities | 32GB |
| | | Weight | 1.12 kg |
| | | Technical details | |
| | | Warranty period | 3 year(s) |



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