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# GIGABYTE B550M GAMING X WIFI6 Motherboard - AMD Ryzen 5000 CPUs, 5+3 Phases VRM, up to 3200MHz DDR4, 1xPCIe 4.0 + 1xPCIe 3.0 M.2, Wi-Fi 6, 1GbE LAN, USB 3.2 Gen 1




**Brand :** GIGABYTE

**Product code:** B550M GAMING X WIFI6

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| Processor | |
|---|---|
| Processor manufacturer * | AMD |
| Processor socket * | Socket AM4 |
| Compatible processor series * | AMD Ryzen 3000 Series, AMD Ryzen 4000 Series, AMD Ryzen 5000 Series |
| Supported processor sockets | Socket AM4 |

| Memory | |
|---|---|
| Supported memory types * | DDR4-SDRAM |
| Number of memory slots * | 4 |
| Memory slots type | DIMM |
| Memory channels | Dual-channel |
| ECC compatibility | ECC & Non-ECC |
| Supported memory clock speeds | 2133,2400,2667,2933,3200 MHz |
| Supported memory clock speed (max) | 3200 MHz |
| Maximum internal memory * | 128 GB |
| Unbuffered memory | ✔ |
| Maximum internal memory per slot | 32 GB |

| Storage controllers | |
|---|---|
| Supported storage drive types | HDD & SSD |
| Supported storage drive interfaces * | M.2, PCI Express 3.0, PCI Express 4.0, SATA III |
| Number of HDDs supported | 4 |
| Number of storage drives supported | 6 |
| RAID support | ✔ |
| RAID levels | 0, 1, 10 |

| Graphics | |
|---|---|
| Parallel processing technology support * | Not supported |
| On-board graphics card | ✘ |
| Maximum resolution | 5120 x 2880 pixels |
| HDCP | ✔ |

| Network | |
|---|---|
| Ethernet interface type | Gigabit Ethernet |
| LAN controller | Realtek RTL8111H |
| Wi-Fi * | ✔ |
| Top Wi-Fi standard | Wi-Fi 6 (802.11ax) |
| Wi-Fi standards | 802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax) |
| WLAN controller model | Realtek RTL8851BE |
| Bluetooth | ✔ |
| Bluetooth version | 5.3 |

| Features | |
|---|---|
| Motherboard chipset * | AMD B550 |
| Audio chip | Realtek ALC1220-VB |
| Audio output channels * | 7.1 channels |
| Product colour | Dark brown |
| PC health monitoring | Fan, Temperature, Voltage |
| Component for * | PC |
| Motherboard form factor * | micro ATX |
| Motherboard chipset family * | AMD |
| Cooling type | Passive |
| Power source type | ATX |
| Windows operating systems supported | Windows 10 x64, Windows 11 x64 |

| Expansion slots | |
|---|---|
| PCI Express x1 (Gen 3.x) slots | 1 |
| PCI Express x16 (Gen 3.x) slots | 1 |
| PCI Express x16 (Gen 4.x) slots | 1 |
| Number of M.2 (M) slots | 2 |
| 1st M.2 largest key size | 2280 |
| 1st M.2 highest PCI Express generation | 4.0 |
| 2nd M.2 largest key size | 2280 |

| Graphics | |
|---|---|
| DirectX version | 12.0 |

| Internal I/O | |
|---|---|
| USB 2.0 connectors * | 1 |
| USB 3.2 Gen 1 (3.1 Gen 1) connectors * | 2 |
| Number of SATA III connectors * | 4 |
| Front panel audio connector | ✔ |
| Front panel connector | ✔ |
| ATX Power connector (24-pin) | ✔ |
| CPU fan connector | ✔ |
| Number of CPU fan connectors | 1 |
| Number of chassis fan connectors | 2 |
| EPS power connector (8-pin) | ✔ |
| Number of EPS power connectors (8-pin) | 1 |
| TPM connector | ✔ |
| Serial port headers | 1 |
| RGB LED pin header | ✔ |
| Number of RGB LED pin headers | 5 |

| Rear panel I/O ports | |
|---|---|
| USB 2.0 ports quantity * | 2 |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 4 |
| Ethernet LAN (RJ-45) ports * | 1 |
| PS/2 ports quantity | 1 |
| HDMI ports quantity * | 1 |
| HDMI version | 2.1 |
| DisplayPorts quantity | 1 |
| DisplayPort version | 1.4 |
| Headphone outputs | 1 |
| Line-in | ✔ |
| Microphone in | ✔ |
| WiFi-AP antenna jack | 2 |

| Network | |
|---|---|
| Ethernet LAN | ✔ |

| Expansion slots | |
|---|---|
| 2nd M.2 highest PCI Express generation | 3.0 |

| BIOS | |
|---|---|
| BIOS type * | UEFI AMI |
| BIOS memory size | 128 Mbit |
| ACPI version | 5.0 |
| Clear CMOS jumper | ✔ |
| Desktop Management Interface (DMI) version | 2.7 |
| System Management BIOS (SMBIOS) version | 2.7 |

| Logistics data | |
|---|---|
| Products per shipping (inner) case | 1 pc(s) |

| Battery | |
|---|---|
| Battery weight | 3 g |
| Lithium weight per battery | 0.07 g |
| Number of battery cells | 1 |
| Battery technology | Lithium-Manganese Dioxide (LiMnO2) |
| Battery type | CR2032 |

| Packaging data | |
|---|---|
| Package width | 270 mm |
| Package depth | 268 mm |
| Package height | 68 mm |
| Package weight | 1.24 kg |

| Weight & dimensions | |
|---|---|
| Width | 244 mm |
| Depth | 244 mm |
| Height | 35 mm |

| Packaging content | |
|---|---|
| Batteries included | ✔ |
| Antenna included | ✔ |
| Screws included | ✔ |
| Bundled software | Norton® Internet Security (OEM version) LAN bandwidth management software |

| Other features | |
|---|---|
| Weight | 1.14 kg |

| Technical details | |
|---|---|
| Warranty period | 3 year(s) |

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**Catalog Object Cloud**

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