

GIGABYTE B650E EAGLE WIFI6E Motherboard - AMD Ryzen 9000 Series CPUs, 8+2+2 Phases VRM, up to 8200MHz DDR5 (OC), 1xPCIe 5.0 + 2xPCIe 4.0 M.2, 2.5GbE LAN, WIFI 6E, USB 3.2 Gen 2

Brand : GIGABYTE

Product code: B650E EAGLE WF6E

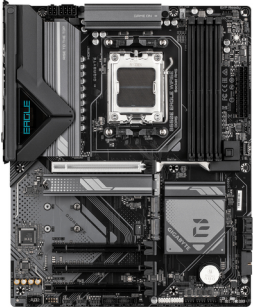
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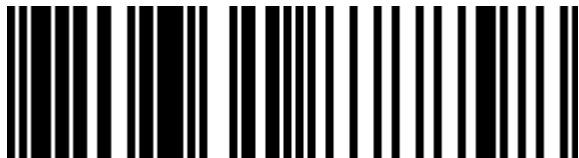
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Elevate your computing experience with GIGABYTE's renowned motherboard series: AORUS, AERO, and GIGABYTE. Featuring innovative designs and advanced features, these boards offer exceptional performance and reliability. Whether you're a gamer, content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



| Processor | | Network | |
|--|--|-------------------------------------|---|
| Processor manufacturer * | AMD | Ethernet LAN | ✓ |
| Processor socket * | Socket AM5 | Ethernet interface type | 2.5 Gigabit Ethernet |
| Compatible processor series * | AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series | LAN controller | Realtek RTL8125 |
| | | Wi-Fi * | ✓ |
| Supported processor sockets | Socket AM5 | Top Wi-Fi standard | Wi-Fi 6E (802.11ax) |
| Memory | | Wi-Fi standards | 802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax), Wi-Fi 6E (802.11ax) |
| Supported memory types * | DDR5-SDRAM | | |
| Number of memory slots * | 4 | WLAN controller model | MediaTek MT7902 |
| Memory slots type | DIMM | Bluetooth | ✓ |
| Memory channels | Dual-channel | Bluetooth version | 5.3 |
| ECC compatibility | Non-ECC | Features | |
| Supported memory clock speeds | 8200,8000,7950,7900,7800,7600,7200,6800,6600,6400,6200,6000,5600,5200,4800 MHz | Motherboard chipset * | AMD B650 |
| Supported memory clock speed (max) | 8200 MHz | Audio chip | Realtek ALC897 |
| Maximum internal memory * | 256 GB | Audio output channels * | 7.1 channels |
| Unbuffered memory | ✓ | Product colour | Dark brown |
| Maximum internal memory per slot | 64 GB | PC health monitoring | Fan, Temperature, Voltage, Water cooling |
| Storage controllers | | Component for * | PC |
| Supported storage drive types | HDD & SSD | Motherboard form factor * | ATX |
| Supported storage drive interfaces * | M.2, SATA III | Motherboard chipset family * | AMD |
| Number of HDDs supported | 4 | Cooling type | Passive |
| Number of storage drives supported | 7 | Power source type | ATX |
| RAID support | ✓ | Windows operating systems supported | Windows 10 x64, Windows 11 x64 |
| RAID levels | 0, 1, 5, 10 | Expansion slots | |
| Graphics | | PCI Express x1 (Gen 3.x) slots | 2 |
| Parallel processing technology support * | Not supported | PCI Express x16 (Gen 4.x) slots | 1 |
| Maximum resolution | 4096 x 2160 pixels | PCI Express x16 (Gen 5.x) slots | 1 |
| HDCP | ✓ | | |
| HDCP version | 2.3 | | |
| DirectX version | 12.0 | | |

| Internal I/O | | Expansion slots | |
|---|-----|--|---|
| USB 2.0 connectors * | 2 | Number of M.2 (M) slots | 3 |
| USB 3.2 Gen 1 (3.1 Gen 1) connectors * | 2 | 1st M.2 largest key size | 22110 |
| Number of SATA III connectors * | 4 | 1st M.2 highest PCI Express generation | 5.0 |
| Front panel audio connector | ✓ | 2nd M.2 largest key size | 22110 |
| Front panel connector | ✓ | 2nd M.2 highest PCI Express generation | 4.0 |
| ATX Power connector (24-pin) | ✓ | 3rd M.2 largest key size | 22110 |
| CPU fan connector | ✓ | 3rd M.2 highest PCI Express generation | 4.0 |
| Number of CPU fan connectors | 2 | BIOS | |
| Number of chassis fan connectors | 4 | BIOS type * | UEFI AMI |
| Peripheral (Molex) power connectors (4-pin) | 1 | BIOS memory size | 256 Mbit |
| EPS power connector (8-pin) | ✓ | ACPI version | 5.0 |
| Number of EPS power connectors (8-pin) | 1 | Clear CMOS jumper | ✓ |
| TPM connector | ✓ | Desktop Management Interface (DMI) version | 2.7 |
| 12V power connector | ✓ | System Management BIOS (SMBIOS) version | 2.7 |
| Number of water pump connectors | 2 | Logistics data | |
| RGB LED pin header | ✓ | Country of origin | China |
| Number of RGB LED pin headers | 4 | Products per shipping (inner) case | 1 pc(s) |
| Rear panel I/O ports | | Battery | |
| USB 2.0 ports quantity * | 4 | Battery weight | 3 g |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2 | Lithium weight per battery | 0.07 g |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity * | 1 | Number of battery cells | 1 |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity * | 2 | Battery technology | Lithium-Manganese Dioxide (LiMnO2) |
| Ethernet LAN (RJ-45) ports * | 1 | Battery type | CR2032 |
| PS/2 ports quantity | 1 | Packaging data | |
| HDMI ports quantity * | 1 | Package width | 335 mm |
| HDMI version | 2.1 | Package depth | 270 mm |
| DisplayPort version | 1.4 | Package height | 80 mm |
| Headphone outputs | 1 | Package weight | 1.89 kg |
| Line-in | ✓ | Weight & dimensions | |
| Microphone in | ✓ | Width | 305 mm |
| WiFi-AP antenna jack | 2 | Depth | 244 mm |
| | | Height | 35 mm |
| | | Packaging content | |
| | | Batteries included | ✓ |
| | | Antenna included | ✓ |
| | | Screws included | ✓ |
| | | Bundled software | Norton® Internet Security (OEM version) |
| | | Other features | |
| | | Weight | 1.68 kg |
| | | Technical details | |
| | | Warranty period | 3 year(s) |



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Catalog Object Cloud



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