

## GIGABYTE B850M AORUS ELITE WIFI6E Motherboard - AMD Ryzen 9000 Series CPUs, 12+2+2 Phases Digital VRM, up to 8200MHz DDR5 (OC), 1xPCIe 5.0 + 1xPCIe 4.0 M.2, WIFI 6E, 2.5GbE LAN, USB 3.2 Gen 2



**Brand :** GIGABYTE

**Product code:** B850M A ELT WF6E

**Product name :** B850M AORUS ELITE WIFI6E Motherboard - AMD Ryzen 9000 Series CPUs, 12+2+2 Phases Digital VRM, up to 8200MHz DDR5 (OC), 1xPCIe 5.0 + 1xPCIe 4.0 M.2, WIFI 6E, 2.5GbE LAN, USB 3.2 Gen 2

B850M AORUS ELITE WIFI6E Motherboard - AMD Ryzen 9000 Series CPUs, 12+2+2 Phases Digital VRM, up to 8200MHz DDR5 (OC), 1xPCIe 5.0 + 1xPCIe 4.0 M.2, WIFI 6E, 2.5GbE LAN, USB 3.2 Gen 2

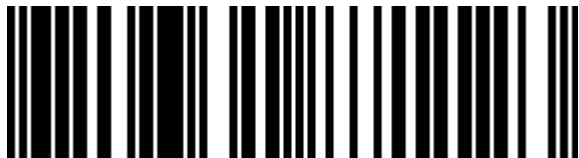
GIGABYTE B850M AORUS ELITE WIFI6E Motherboard - AMD Ryzen 9000 Series CPUs, 12+2+2 Phases Digital VRM, up to 8200MHz DDR5 (OC), 1xPCIe 5.0 + 1xPCIe 4.0 M.2, WIFI 6E, 2.5GbE LAN, USB 3.2 Gen 2:

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



| Processor                                |                                                                                                    | Rear panel I/O ports                |                                                                                                           |
|------------------------------------------|----------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Processor manufacturer *                 | AMD                                                                                                | Digital audio optical out           | 1                                                                                                         |
| Processor socket *                       | Socket AM5                                                                                         | WiFi-AP antenna jack                | 2                                                                                                         |
| Compatible processor series *            | AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series                                | Network                             |                                                                                                           |
| Supported processor sockets              | Socket AM5                                                                                         | Ethernet LAN                        | ✓                                                                                                         |
| Memory                                   |                                                                                                    | Ethernet interface type             | 2.5 Gigabit Ethernet                                                                                      |
| Supported memory types *                 | DDR5-SDRAM                                                                                         | LAN controller                      | Realtek RTL8125                                                                                           |
| Number of memory slots *                 | 4                                                                                                  | Wi-Fi *                             | ✓                                                                                                         |
| Memory slots type                        | DIMM                                                                                               | Top Wi-Fi standard                  | Wi-Fi 6E (802.11ax)                                                                                       |
| Memory channels                          | Dual-channel                                                                                       | 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) |
| ECC compatibility                        | Non-ECC                                                                                            | WLAN controller model               | Realtek RTL8852CE                                                                                         |
| Supported memory clock speeds            | 8200,8000,7950,7900,7800,7600,7400,7200,7000,6800,6600,6400,6200,6000,5800,5600,5200,4800,4400 MHz | Bluetooth                           | ✓                                                                                                         |
| Supported memory clock speed (max)       | 8200 MHz                                                                                           | Bluetooth version                   | 5.3                                                                                                       |
| Maximum internal memory *                | 256 GB                                                                                             | Features                            |                                                                                                           |
| Unbuffered memory                        | ✓                                                                                                  | Motherboard chipset *               | AMD B850                                                                                                  |
| Maximum internal memory per slot         | 64 GB                                                                                              | Audio chip                          | Realtek ALC1220-VB                                                                                        |
| Storage controllers                      |                                                                                                    | Audio output channels *             | 7.1 channels                                                                                              |
| Supported storage drive types            | HDD & SSD                                                                                          | Product colour                      | Black                                                                                                     |
| Supported storage drive interfaces *     | M.2, PCI Express 4.0, PCI Express 5.0, SATA III                                                    | PC health monitoring                | Fan, Temperature, Voltage, Water cooling                                                                  |
| Number of HDDs supported                 | 4                                                                                                  | Component for *                     | PC                                                                                                        |
| Number of storage drives supported       | 6                                                                                                  | Motherboard form factor *           | micro ATX                                                                                                 |
| RAID support                             | ✓                                                                                                  | Motherboard chipset family *        | AMD                                                                                                       |
| RAID levels                              | 0, 1, 10                                                                                           | Cooling type                        | Passive                                                                                                   |
| Graphics                                 |                                                                                                    | Power source type                   | ATX                                                                                                       |
| Parallel processing technology support * | Not supported                                                                                      | Windows operating systems supported | Windows 10 x64, Windows 11 x64                                                                            |
| Maximum resolution                       | 3840 x 2160 pixels                                                                                 |                                     |                                                                                                           |
| DirectX version                          | 12.0                                                                                               |                                     |                                                                                                           |
| Internal I/O                             |                                                                                                    |                                     |                                                                                                           |
| USB 2.0 connectors *                     | 2                                                                                                  |                                     |                                                                                                           |

| Internal I/O                                      |     | Expansion slots                            |                                                                           |
|---------------------------------------------------|-----|--------------------------------------------|---------------------------------------------------------------------------|
| USB 3.2 Gen 1 (3.1 Gen 1) connectors *            | 1   | PCI Express x16 (Gen 3.x) slots            | 1                                                                         |
| USB 3.2 Gen 2x2 connectors                        | 1   | PCI Express x16 (Gen 5.x) slots            | 1                                                                         |
| Number of SATA III connectors *                   | 4   | Number of M.2 (M) slots                    | 2                                                                         |
| Front panel audio connector                       | ✓   | 1st M.2 largest key size                   | 25110                                                                     |
| Front panel connector                             | ✓   | 1st M.2 highest PCI Express generation     | 5.0                                                                       |
| ATX Power connector (24-pin)                      | ✓   | 2nd M.2 largest key size                   | 22110                                                                     |
| CPU fan connector                                 | ✓   | 2nd M.2 highest PCI Express generation     | 4.0                                                                       |
| Number of CPU fan connectors                      | 2   | <b>BIOS</b>                                |                                                                           |
| Number of chassis fan connectors                  | 4   | BIOS type *                                | UEFI AMI                                                                  |
| EPS power connector (8-pin)                       | ✓   | BIOS memory size                           | 256 Mbit                                                                  |
| Number of EPS power connectors (8-pin)            | 1   | ACPI version                               | 5.0                                                                       |
| TPM connector                                     | ✓   | Clear CMOS jumper                          | ✓                                                                         |
| 12V power connector                               | ✓   | Desktop Management Interface (DMI) version | 2.7                                                                       |
| Number of water pump connectors                   | 2   | System Management BIOS (SMBIOS) version    | 2.7                                                                       |
| RGB LED pin header                                | ✓   | <b>Logistics data</b>                      |                                                                           |
| Number of RGB LED pin headers                     | 4   | Products per shipping (inner) case         | 1 pc(s)                                                                   |
| Rear panel I/O ports                              |     | <b>Battery</b>                             |                                                                           |
| USB 2.0 ports quantity *                          | 4   | Battery weight                             | 3 g                                                                       |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 5   | Lithium weight per battery                 | 0.07 g                                                                    |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity * | 2   | Number of battery cells                    | 1                                                                         |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity * | 1   | Battery technology                         | Lithium-Manganese Dioxide (LiMnO2)                                        |
| Ethernet LAN (RJ-45) ports *                      | 1   | Battery type                               | CR2032                                                                    |
| HDMI ports quantity *                             | 1   | <b>Packaging data</b>                      |                                                                           |
| HDMI version                                      | 1.4 | Package width                              | 270 mm                                                                    |
| DisplayPorts quantity                             | 1   | Package depth                              | 268 mm                                                                    |
| DisplayPort version                               | 1.4 | Package height                             | 68 mm                                                                     |
| Headphone outputs                                 | 1   | Package weight                             | 1.97 kg                                                                   |
| Line-in                                           | ✓   | <b>Weight &amp; dimensions</b>             |                                                                           |
| S/PDIF out port                                   | ✓   | Width                                      | 244 mm                                                                    |
|                                                   |     | Depth                                      | 244 mm                                                                    |
|                                                   |     | Height                                     | 35 mm                                                                     |
|                                                   |     | <b>Packaging content</b>                   |                                                                           |
|                                                   |     | Batteries included                         | ✓                                                                         |
|                                                   |     | Antenna included                           | ✓                                                                         |
|                                                   |     | Screws included                            | ✓                                                                         |
|                                                   |     | Bundled software                           | Norton® Internet Security (OEM version) LAN bandwidth management software |
|                                                   |     | <b>Other features</b>                      |                                                                           |
|                                                   |     | Weight                                     | 1.78 kg                                                                   |
|                                                   |     | <b>Technical details</b>                   |                                                                           |
|                                                   |     | Warranty period                            | 3 year(s)                                                                 |



4719331871123

### Catalog Object Cloud



Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.