

## GIGABYTE B860M AORUS ELITE WF6E ICE Motherboard - Intel Core Ultra Series CPUs, 12+1+2+1 Phases VRM, up to 9200MHz DDR5, 1xPCIe 5.0 + 2xPCIe 4.0 M.2, 2.5GbE LAN, WIFI 6E, USB 4

**Brand :** GIGABYTE

**Product code:** B860M A ELT WF6E ICE

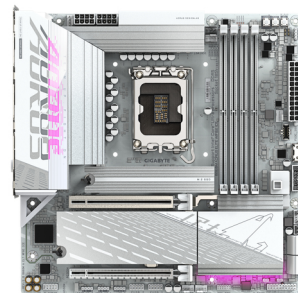
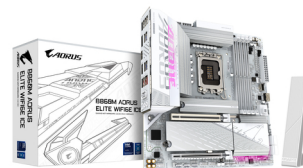
**Product name :** B860M AORUS ELITE WF6E ICE Motherboard  
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- Twin Hybrid Digital 12+1+2+1 Phases 60A DrMOS VRM
- Dual Channel DDR5 4\*DIMMs
- PCIe 5.0 x16 with PCIe UD Slot & EZ-Latch Plus
- EZ-Latch Plus for M.2 SSDs installation
- Fully Covered MOSFET Heatsinks/M.2 Thermal Guard(Ext.) with EZ-Latch Click
- Realtek 2x2 Wi-Fi 6E with WIFI EZ-Plug
- 2.5GbE LAN, USB 4.0 Type-C, USB 3.2 Gen2 Type-C
- Q-Flash Plus

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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



| Processor                                |                                                            | Network                             |                                                                                                           |
|------------------------------------------|------------------------------------------------------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Processor manufacturer *                 | Intel                                                      | Ethernet LAN                        | ✓                                                                                                         |
| Processor socket *                       | LGA 1851 (Socket V1)                                       | Ethernet interface type             | 2.5 Gigabit Ethernet                                                                                      |
| Compatible processor series *            | Intel® Core™ Ultra (Series 1), Intel Core Ultra (Series 2) | LAN controller                      | Realtek RTL8125                                                                                           |
| Supported processor sockets              | LGA 1851                                                   | Wi-Fi *                             | ✓                                                                                                         |
| Memory                                   |                                                            | Top Wi-Fi standard                  | Wi-Fi 6E (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), Wi-Fi 6E (802.11ax) |
|                                          |                                                            | WLAN controller model               | Intel Wi-Fi 6E AX211                                                                                      |
|                                          |                                                            | Bluetooth                           | ✓                                                                                                         |
|                                          |                                                            | Bluetooth version                   | 5.3                                                                                                       |
|                                          |                                                            | Features                            |                                                                                                           |
|                                          |                                                            | Motherboard chipset *               | Intel B860                                                                                                |
|                                          |                                                            | Audio chip                          | Realtek ALC897                                                                                            |
|                                          |                                                            | Audio output channels *             | 7.1 channels                                                                                              |
|                                          |                                                            | Product colour                      | White                                                                                                     |
| Storage controllers                      |                                                            | PC health monitoring                | Fan, Temperature, Voltage, Water cooling                                                                  |
|                                          |                                                            | Component for *                     | PC                                                                                                        |
|                                          |                                                            | Motherboard form factor *           | micro ATX                                                                                                 |
|                                          |                                                            | Motherboard chipset family *        | Intel                                                                                                     |
|                                          |                                                            | Cooling type                        | Passive                                                                                                   |
|                                          |                                                            | Power source type                   | ATX                                                                                                       |
|                                          |                                                            | Windows operating systems supported | Windows 11 x64                                                                                            |
|                                          |                                                            | Expansion slots                     |                                                                                                           |
| Graphics                                 |                                                            | PCI Express x16 (Gen 4.x) slots     | 1                                                                                                         |
|                                          |                                                            | PCI Express x16 (Gen 5.x) slots     | 1                                                                                                         |
|                                          |                                                            | Number of M.2 (M) slots             | 3                                                                                                         |
| Supported memory types *                 | DDR5-SDRAM                                                 |                                     |                                                                                                           |
| Number of memory slots *                 | 4                                                          |                                     |                                                                                                           |
| Memory slots type                        | DIMM                                                       |                                     |                                                                                                           |
| Memory channels                          | Dual-channel                                               |                                     |                                                                                                           |
| ECC compatibility                        | ECC & Non-ECC                                              |                                     |                                                                                                           |
| Supported memory clock speeds            | 5600,6400,9200 MHz                                         |                                     |                                                                                                           |
| Supported memory clock speed (max)       | 9200 MHz                                                   |                                     |                                                                                                           |
| Maximum internal memory *                | 256 GB                                                     |                                     |                                                                                                           |
| Unbuffered memory                        | ✓                                                          |                                     |                                                                                                           |
| Maximum internal memory per slot         | 64 GB                                                      |                                     |                                                                                                           |
| Supported storage drive types            | HDD & SSD                                                  |                                     |                                                                                                           |
| Supported storage drive interfaces *     | M.2, SATA III                                              |                                     |                                                                                                           |
| Number of HDDs supported                 | 4                                                          |                                     |                                                                                                           |
| Number of storage drives supported       | 7                                                          |                                     |                                                                                                           |
| RAID support                             | ✓                                                          |                                     |                                                                                                           |
| RAID levels                              | 0, 1, 5, 10                                                |                                     |                                                                                                           |
| Parallel processing technology support * | Not supported                                              |                                     |                                                                                                           |
| Maximum resolution                       | 4096 x 2160 pixels                                         |                                     |                                                                                                           |

| Graphics                                          |      | Expansion slots                            |                                                                          |
|---------------------------------------------------|------|--------------------------------------------|--------------------------------------------------------------------------|
| HDCP                                              | ✓    | 1st M.2 largest key size                   | 2280                                                                     |
| DirectX version                                   | 12.0 | 1st M.2 highest PCI Express generation     | 5.0                                                                      |
| Internal I/O                                      |      | 2nd M.2 largest key size                   | 2580                                                                     |
| USB 2.0 connectors *                              | 2    | 2nd M.2 highest PCI Express generation     | 4.0                                                                      |
| USB 3.2 Gen 1 (3.1 Gen 1) connectors *            | 1    | 3rd M.2 largest key size                   | 25110                                                                    |
| USB 3.2 Gen 2 (3.1 Gen 2) connectors *            | 1    | 3rd M.2 highest PCI Express generation     | 4.0                                                                      |
| Number of SATA III connectors *                   | 4    | BIOS                                       |                                                                          |
| Front panel audio connector                       | ✓    | BIOS type *                                | UEFI AMI                                                                 |
| Front panel connector                             | ✓    | BIOS memory size                           | 256 Mbit                                                                 |
| ATX Power connector (24-pin)                      | ✓    | ACPI version                               | 5.0                                                                      |
| CPU fan connector                                 | ✓    | Clear CMOS jumper                          | ✓                                                                        |
| Number of CPU fan connectors                      | 2    | Desktop Management Interface (DMI) version | 2.7                                                                      |
| Number of chassis fan connectors                  | 4    | System Management BIOS (SMBIOS) version    | 2.7                                                                      |
| EPS power connector (8-pin)                       | ✓    | Logistics data                             |                                                                          |
| Number of EPS power connectors (8-pin)            | 2    | Country of origin                          | China                                                                    |
| TPM connector                                     | ✓    | Products per shipping (inner) case         | 1 pc(s)                                                                  |
| Number of water pump connectors                   | 2    | Battery                                    |                                                                          |
| RGB LED pin header                                | ✓    | Battery weight                             | 3 g                                                                      |
| Number of RGB LED pin headers                     | 4    | Lithium weight per battery                 | 0.07 g                                                                   |
| Rear panel I/O ports                              |      | Number of battery cells                    | 1                                                                        |
| USB 2.0 ports quantity *                          | 4    | Battery technology                         | Lithium-Manganese Dioxide (LiMnO2)                                       |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 4    | Battery type                               | CR2032                                                                   |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity * | 2    | Packaging data                             |                                                                          |
| USB4 Gen 2x2 ports quantity                       | 1    | Package width                              | 270 mm                                                                   |
| Ethernet LAN (RJ-45) ports *                      | 1    | Package depth                              | 268 mm                                                                   |
| HDMI ports quantity *                             | 1    | Package height                             | 68 mm                                                                    |
| HDMI version                                      | 2.1  | Package weight                             | 1.9 kg                                                                   |
| DisplayPorts quantity                             | 1    | Weight & dimensions                        |                                                                          |
| DisplayPort version                               | 2.1  | Width                                      | 244 mm                                                                   |
| Headphone outputs                                 | 1    | Depth                                      | 244 mm                                                                   |
| Line-in                                           | ✓    | Height                                     | 35 mm                                                                    |
| S/PDIF out port                                   | ✓    | Packaging content                          |                                                                          |
| Digital audio optical out                         | 1    | Batteries included                         | ✓                                                                        |
| WiFi-AP antenna jack                              | 2    | Antenna included                           | ✓                                                                        |
|                                                   |      | Screws included                            | ✓                                                                        |
|                                                   |      | Bundled software                           | Norton Internet Security (OEM version) LAN bandwidth management software |
|                                                   |      | Other features                             |                                                                          |
|                                                   |      | Weight                                     | 1.7 kg                                                                   |
|                                                   |      | Technical details                          |                                                                          |
|                                                   |      | Warranty period                            | 3 year(s)                                                                |



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### Catalog Object Cloud



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