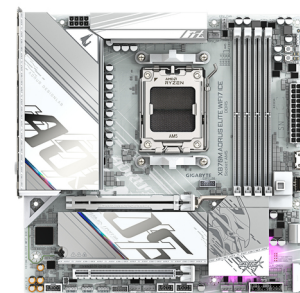


## GIGABYTE X870M AORUS ELITE WIFI7 ICE Motherboard - Supports AMD Ryzen 9000 CPUs, 14+2+2 Phases Digital VRM, up to 8200Hz DDR5 (O.C), 1xPCIe 5.0 + 1xPCIe 4.0, Wi-Fi 7, 2.5 GbE LAN, USB 4



**Brand :** GIGABYTE

**Product code:** X870M A ELITE WF7 ICE

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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                                                                                                                  | WiFi-AP antenna jack                | 2                                                     |
| Processor socket *                       | Socket AM5                                                                                                           | <b>Network</b>                      |                                                       |
| Compatible processor series *            | AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series                                                  | Ethernet LAN                        | ✓                                                     |
| Supported processor sockets              | Socket AM5                                                                                                           | Ethernet interface type             | 2.5 Gigabit Ethernet, Fast Ethernet, Gigabit Ethernet |
| <b>Memory</b>                            |                                                                                                                      | LAN controller                      | Realtek RTL8125                                       |
| Supported memory types *                 | DDR5-SDRAM                                                                                                           | Wi-Fi *                             | ✓                                                     |
| Number of memory slots *                 | 4                                                                                                                    | Top Wi-Fi standard                  | Wi-Fi 7 (802.11be)                                    |
| Memory slots type                        | DIMM                                                                                                                 | Wi-Fi standards                     | Wi-Fi 7 (802.11be)                                    |
| Memory channels                          | Dual-channel                                                                                                         | WLAN controller model               | Realtek RTL8922AE                                     |
| ECC compatibility                        | Non-ECC                                                                                                              | Bluetooth                           | ✓                                                     |
| 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 version                   | 5.4                                                   |
| Supported memory clock speed (max)       | 8200 MHz                                                                                                             | <b>Features</b>                     |                                                       |
| Maximum internal memory *                | 256 GB                                                                                                               | Motherboard chipset *               | AMD X870                                              |
| Unbuffered memory                        | ✓                                                                                                                    | Audio chip                          | Realtek ALC1220-VB                                    |
| Maximum internal memory per slot         | 64 GB                                                                                                                | Audio output channels *             | 7.1 channels                                          |
| <b>Storage controllers</b>               |                                                                                                                      | Product colour                      | White                                                 |
| Supported storage drive types            | HDD & SSD                                                                                                            | PC health monitoring                | Fan, Temperature, Voltage, Water cooling              |
| Supported storage drive interfaces *     | M.2, PCI Express 4.0, PCI Express 5.0, SATA III                                                                      | Component for *                     | PC                                                    |
| Number of HDDs supported                 | 2                                                                                                                    | Motherboard form factor *           | micro ATX                                             |
| Number of storage drives supported       | 4                                                                                                                    | Motherboard chipset family *        | AMD                                                   |
| RAID support                             | ✓                                                                                                                    | Cooling type                        | Passive                                               |
| RAID levels                              | 0, 1, 5, 10                                                                                                          | Power source type                   | ATX                                                   |
| <b>Graphics</b>                          |                                                                                                                      | Windows operating systems supported | Windows 11 x64                                        |
| Parallel processing technology support * | Not supported                                                                                                        | <b>Expansion slots</b>              |                                                       |
| Maximum resolution                       | 4096 x 2160 pixels                                                                                                   | PCI Express x16 (Gen 4.x) slots     | 1                                                     |
| HDCP                                     | ✓                                                                                                                    | PCI Express x16 (Gen 5.x) slots     | 1                                                     |
| HDCP version                             | 2.3                                                                                                                  | Number of M.2 (M) slots             | 2                                                     |
| DirectX version                          | 12.0                                                                                                                 | 1st M.2 largest key size            | 25110                                                 |
| <b>Internal I/O</b>                      |                                                                                                                      |                                     |                                                       |
| USB 2.0 connectors *                     | 2                                                                                                                    |                                     |                                                       |
| USB 3.2 Gen 1 (3.1 Gen 1) connectors *   | 1                                                                                                                    |                                     |                                                       |
| USB 3.2 Gen 2x2 connectors               | 1                                                                                                                    |                                     |                                                       |

| Internal I/O                                      |     | Expansion slots                            |                                         |
|---------------------------------------------------|-----|--------------------------------------------|-----------------------------------------|
| Number of SATA III connectors *                   | 2   | 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)                      | ✓   | <b>BIOS</b>                                |                                         |
| CPU fan connector                                 | ✓   | BIOS type *                                | UEFI AMI                                |
| Number of CPU fan connectors                      | 2   | BIOS memory size                           | 256 Mbit                                |
| Number of chassis fan connectors                  | 4   | ACPI version                               | 5.0                                     |
| EPS power connector (8-pin)                       | ✓   | Clear CMOS jumper                          | ✓                                       |
| Number of EPS power connectors (8-pin)            | 1   | Clear CMOS button                          | ✓                                       |
| 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   | <b>Logistics data</b>                      |                                         |
| 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                              |     | <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 * | 4   | 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                                       |
| USB4 Gen 3x2 ports quantity                       | 2   | Battery capacity                           | 220 mAh                                 |
| Ethernet LAN (RJ-45) ports *                      | 1   | Battery technology                         | Lithium-Manganese Dioxide (LiMnO2)      |
| HDMI ports quantity *                             | 1   | Battery type                               | CR2032                                  |
| HDMI version                                      | 2.1 | <b>Packaging data</b>                      |                                         |
| DisplayPort version                               | 1.4 | Package width                              | 270 mm                                  |
| Headphone outputs                                 | 1   | Package depth                              | 268 mm                                  |
| Line-in                                           | ✓   | Package height                             | 68 mm                                   |
| S/PDIF out port                                   | ✓   | Package weight                             | 2.06 kg                                 |
| Digital audio optical out                         | 1   | <b>Weight &amp; dimensions</b>             |                                         |
|                                                   |     | 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) |
|                                                   |     | <b>Other features</b>                      |                                         |
|                                                   |     | Weight                                     | 1.86 kg                                 |
|                                                   |     | <b>Technical details</b>                   |                                         |
|                                                   |     | Warranty period                            | 3 year(s)                               |



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### Catalog Object Cloud



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