



# GIGABYTE Z890 AORUS ELITE WIFI7 Motherboard - Supports Intel Core Ultra (Series 2) CPUs, 16+1+2 phases VRM, up to 8800MHz DDR5 (OC), 1xPCIe 5.0 + 3xPCIe 4.0, Wi-Fi 7, 2.5GbE LAN, Thunderbolt 4



**Brand :** GIGABYTE

**Product code:** Z890 A ELITE WIFI7

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- Digital 16+1+2+1 Phases 80A SPS VRM with Tantalum Polymer Capacitor
- Reinforced PCIe UD Slot X PCIe 5.0 with PCIe EZ-Latch Plus Design
- PCIe M.2 design (Up to 25110) with M.2 EZ-Latch Plus & Thermal Guard
- Fully Covered MOSFET Heatsinks with heatpipe/M.2 EZ-Latch Click Design
- 2x2 Wi-Fi 7 with WIFI EZ-Plug Design
- 2.5GbE LAN, THUNDERBOLT 4 Type-C, USB 3.2 Gen2 Type-C

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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 2) | Wi-Fi *                                    | ✓                         |
| Supported processor sockets  | LGA 1851                    | Top Wi-Fi standard                         | Wi-Fi 7 (802.11be)        |
| Maximum internal memory supported by processor   | 256 GB                      | Wi-Fi standards                            | Wi-Fi 7 (802.11be)        |
| <b>Memory</b><br>Supported memory types * DDR5-SDRAM<br>Number of memory slots * 4<br>Memory slots type DIMM<br>Memory channels Dual-channel<br>Non-ECC ✓<br>Supported memory clock speeds 5600,5800,6000,6200,6400,6600,6800,7000,7200,7400,7600,7800,7900,7950,8000,8200,8266,8400,8600,8800 MHz<br>Supported memory clock speed (max) 8800 MHz<br>Maximum internal memory * 256 GB<br>Supported memory module capacities 1GB, 2GB, 4GB, 8GB, 12GB, 16GB, 24GB, 32GB, 40GB, 48GB, 64GB |                             | WLAN controller model                      | MediaTek MT7925           |
|  |                             | Bluetooth                                  | ✓                         |
|  |                             | Bluetooth version                          | 5.4                       |
| Storage controllers  |                             | Features                                   |                           |
| Supported storage drive types  | HDD & SSD                   | Motherboard chipset *                      | Intel Z890                |
| Supported storage drive interfaces *   | M.2, SATA III               | Audio chip                                 | Realtek ALC1220           |
| Number of HDDs supported   | 8                           | Audio output channels *                    | 7.1 channels              |
| Number of storage drives supported   | 4                           | Product colour                             | Black                     |
| RAID support   | ✓                           | PC health monitoring                       | Fan, Temperature, Voltage |
| RAID levels  | 0, 1, 5, 10                 | Component for *                            | PC                        |
| Graphics   |                             | Motherboard form factor *                  | ATX                       |
| DirectX version  | 12.0                        | Motherboard chipset family *               | Intel                     |
| Internal I/O   |                             | Windows operating systems supported        | Windows 11 x64            |
| USB 2.0 connectors *   | 2                           | Expansion slots                            |                           |
| USB 3.2 Gen 1 (3.1 Gen 1) connectors *   | 1                           | PCI Express x16 slots                      | 1                         |
| USB 3.2 Gen 2 (3.1 Gen 2) connectors *   | 1                           | Number of M.2 (M) slots                    | 4                         |
| Number of SATA III connectors *  | 4                           | BIOS                                       |                           |
| Total number of SATA connectors  | 4                           | BIOS type *                                | UEFI AMI                  |
| ATX Power connector (24-pin)   | ✓                           | BIOS memory size                           | 256 Mbit                  |
|  |                             | ACPI version                               | 5.0                       |
|  |                             | Clear CMOS jumper                          | ✓                         |
|  |                             | Clear CMOS button                          | ✓                         |
|  |                             | Desktop Management Interface (DMI) version | 2.7                       |

|   |   |   |   |
|---|---|---|---|
| <b>Internal I/O</b>                               |   | <b>BIOS</b>                             |   |
| EPS power connector (8-pin)                       | ✓ | System Management BIOS (SMBIOS) version | 2.7   |
| TPM connector                                     | ✓ | <b>Logistics data</b>                   |   |
| 12V power connector                               | ✓ | Country of origin                       | China   |
| RGB LED pin header                                | ✓ | Products per shipping (inner) case      | 1 pc(s)   |
| <b>Rear panel I/O ports</b>                       |   | <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 * | 3 | 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   |
| Ethernet LAN (RJ-45) ports *                      | 1 | Battery technology                      | Lithium-Manganese Dioxide (LiMnO2)  |
| HDMI ports quantity *                             | 1 | Battery type                            | CR2032  |
| DisplayPorts quantity                             | 2 | <b>Packaging data</b>                   |   |
| Microphone in                                     | ✓ | Package width                           | 335 mm  |
| S/PDIF out port                                   | ✓ | Package depth                           | 270 mm  |
| Thunderbolt ports quantity                        | 1 | Package height                          | 80 mm   |
|   |   | Package weight                          | 2.5 kg  |
|   |   | <b>Weight &amp; dimensions</b>          |   |
|   |   | Width                                   | 305 mm  |
|   |   | Depth                                   | 244 mm  |
|   |   | Height                                  | 35 mm   |
|   |   | <b>Packaging content</b>                |   |
|   |   | Batteries included                      | ✓   |
|   |   | Bundled software                        | Norton® Internet Security (OEM version) LAN bandwidth management software |
|   |   | <b>Other features</b>                   |   |
|   |   | Weight                                  | 2.23 kg   |
|   |   | <b>Technical details</b>                |   |
|   |   | Warranty period                         | 3 year(s)   |



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