

GIGABYTE Z890 AERO G Motherboard

Brand : GIGABYTE

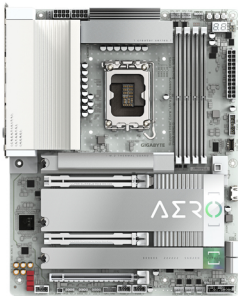
Product code: Z890 AERO G

Product name : Z890 AERO G Motherboard

- 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
  - Intel 2x2 Wi-Fi 7 BE202 with WIFI EZ-Plug Design
  - Dual Intel 2.5GbE LAN, THUNDERBOLT 4 Type-C, USB 3.2 Gen2x2 Type-C
  - Dual 10GbE LAN, Thunderbolt 4 Type-C, USB 3.2 Gen2x2 Type-C
- Supports Intel Core Ultra (Series 2) CPUs, 16+1+2 phases VRM, up to 8800MHz DDR5 (OC), 1xPCIe 5.0 + 4xPCIe 4.0,Wi-Fi 7, 2.5GbE LAN, Thunderbolt 4

GIGABYTE Z890 AERO G Motherboard:

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)                                                                                                            |
| Memory                                 | Supported memory types *           | 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), Wi-Fi 7 (802.11be) |
|                                        | Number of memory slots *           |                              |                                                                                                                               |
|                                        | Memory slots type                  | WLAN controller model        | Intel Wi-Fi 7 BE202                                                                                                           |
|                                        | Memory channels                    |                              |                                                                                                                               |
|                                        | ECC compatibility                  | Bluetooth                    | ✓                                                                                                                             |
|                                        | Supported memory clock speeds      | Bluetooth version            | 5.4                                                                                                                           |
|                                        | Supported memory clock speed (max) |                              |                                                                                                                               |
| Storage controllers                    |                                    | Features                     |                                                                                                                               |
| Supported storage drive types          | HDD & SSD                          | Motherboard chipset *        | Intel Z890 Express                                                                                                            |
| Supported storage drive interfaces *   | M.2, SATA III                      | Audio chip                   | Realtek ALC1220                                                                                                               |
| Number of HDDs supported               | 9                                  | Audio output channels *      | 7.1 channels                                                                                                                  |
| Number of storage drives supported     | 4                                  | Product colour               | White                                                                                                                         |
| RAID support                           | ✓                                  | PC health monitoring         | Fan, Temperature, Voltage                                                                                                     |
| RAID levels                            | 0, 1, 5, 10                        | Component for *              | PC                                                                                                                            |
| Graphics                               |                                    | Motherboard form factor *    | ATX                                                                                                                           |
|                                        |                                    | Motherboard chipset family * | Intel                                                                                                                         |
| Internal I/O                           |                                    | Expansion slots              |                                                                                                                               |
| USB 2.0 connectors *                   | 2                                  | Number of M.2 (M) slots      | 5                                                                                                                             |
| USB 3.2 Gen 1 (3.1 Gen 1) connectors * | 1                                  | BIOS                         |                                                                                                                               |
| USB 3.2 Gen 2x2 connectors             | 1                                  | BIOS type *                  | UEFI AMI                                                                                                                      |
| Number of SATA III connectors *        | 4                                  | BIOS memory size             | 256 Mbit                                                                                                                      |
| Total number of SATA connectors        | 4                                  | ACPI version                 | 5.0                                                                                                                           |
| ATX Power connector (24-pin)           | ✓                                  | Clear CMOS jumper            | ✓                                                                                                                             |
|                                        |                                    | Clear CMOS button            | ✓                                                                                                                             |

| Internal I/O                                      |   | BIOS                                       |                                                                           |
|---------------------------------------------------|---|--------------------------------------------|---------------------------------------------------------------------------|
| EPS power connector (8-pin)                       | ✓ | Desktop Management Interface (DMI) version | 2.7                                                                       |
| TPM connector                                     | ✓ | System Management BIOS (SMBIOS) version    | 2.7                                                                       |
| 12V power connector                               | ✓ |                                            |                                                                           |
| RGB LED pin header                                | ✓ |                                            |                                                                           |
| Rear panel I/O ports                              |   | Logistics data                             |                                                                           |
| USB 2.0 ports quantity *                          | 2 | Country of origin                          | China                                                                     |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 4 | Products per shipping (inner) case         | 1 pc(s)                                                                   |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity * | 2 |                                            |                                                                           |
| Ethernet LAN (RJ-45) ports *                      | 1 |                                            |                                                                           |
| HDMI ports quantity *                             | 1 |                                            |                                                                           |
| DisplayPorts quantity                             | 2 |                                            |                                                                           |
| Microphone in                                     | ✓ |                                            |                                                                           |
| S/PDIF out port                                   | ✓ |                                            |                                                                           |
| Thunderbolt ports quantity                        | 1 |                                            |                                                                           |
|                                                   |   | Battery                                    |                                                                           |
|                                                   |   | Battery weight                             | 3 g                                                                       |
|                                                   |   | Lithium weight per battery                 | 0.07 g                                                                    |
|                                                   |   | Number of battery cells                    | 1                                                                         |
|                                                   |   | Battery technology                         | Lithium-Manganese Dioxide (LiMnO2)                                        |
|                                                   |   | Battery type                               | CR2032                                                                    |
|                                                   |   | Packaging data                             |                                                                           |
|                                                   |   | Package width                              | 335 mm                                                                    |
|                                                   |   | Package depth                              | 270 mm                                                                    |
|                                                   |   | Package height                             | 80 mm                                                                     |
|                                                   |   | Package weight                             | 2.61 kg                                                                   |
|                                                   |   | Weight & dimensions                        |                                                                           |
|                                                   |   | Width                                      | 305 mm                                                                    |
|                                                   |   | Depth                                      | 244 mm                                                                    |
|                                                   |   | Height                                     | 35 mm                                                                     |
|                                                   |   | Packaging content                          |                                                                           |
|                                                   |   | Batteries included                         | ✓                                                                         |
|                                                   |   | Bundled software                           | Norton® Internet Security (OEM version) LAN bandwidth management software |
|                                                   |   | Other features                             |                                                                           |
|                                                   |   | Weight                                     | 2.29 kg                                                                   |
|                                                   |   | Technical details                          |                                                                           |
|                                                   |   | Warranty period                            | 3 year(s)                                                                 |



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## Catalog Object Cloud



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