



GIGABYTE Z890I AORUS ULTRA Motherboard - Supports Intel Core Ultra (Series 2) CPUs, 8+1+2 phases VRM, up to 8800MHz DDR5 (OC), 1xPCIe 5.0 + 1xPCIe 4.0, Wi-Fi 7, 2.5GbE LAN, Thunderbolt 4

Brand : GIGABYTE

Product code: Z890I AORUS ULTRA

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- Digital 8+1+2+1 Phases 105A 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 2280) 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
- 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) |
| Memory | | WLAN controller model | Intel Wi-Fi 7 BE202 |
| Supported memory types * | DDR5-SDRAM | Bluetooth | ✓ |
| Number of memory slots * | 4 | Bluetooth version | 5.4 |
| Memory slots type | DIMM | Features | |
| Memory channels | Dual-channel | Motherboard chipset * | Intel Z890 |
| Non-ECC | ✓ | Audio output channels * | 7.1 channels |
| Supported memory clock speeds | 5600,5800,6000,6200,6400,6600,6800,7000,7200,7400,7600,7800,7900,7950,8000,8200,8266,8400,8600 MHz | Product colour | Black |
| Supported memory clock speed (max) | 8800 MHz | PC health monitoring | Fan, Temperature, Voltage |
| Maximum internal memory * | 256 GB | Component for * | PC |
| Supported memory module capacities | 1GB, 2GB, 4GB, 8GB, 12GB, 16GB, 24GB, 32GB, 40GB, 48GB, 64GB | Motherboard form factor * | mini ITX |
| Storage controllers | | Motherboard chipset family * | Intel |
| Supported storage drive types | HDD & SSD | Windows operating systems supported | Windows 11 x64 |
| Supported storage drive interfaces * | M.2, SATA III | Expansion slots | |
| Number of HDDs supported | 4 | PCI Express x16 slots | 1 |
| Number of storage drives supported | 2 | Number of M.2 (M) slots | 2 |
| RAID support | ✓ | BIOS | |
| RAID levels | 0, 1, 5, 10 | BIOS type * | UEFI AMI |
| Graphics | | BIOS memory size | 256 Mbit |
| DirectX version | 12.0 | ACPI version | 5.0 |
| Internal I/O | | Clear CMOS jumper | ✓ |
| USB 2.0 connectors * | 1 | Clear CMOS button | ✓ |
| USB 3.2 Gen 1 (3.1 Gen 1) connectors * | 1 | Desktop Management Interface (DMI) version | 2.7 |
| USB 3.2 Gen 2 (3.1 Gen 2) connectors * | 1 | System Management BIOS (SMBIOS) version | 2.7 |
| Number of SATA III connectors * | 2 | | |
| Total number of SATA connectors | 2 | | |
| ATX Power connector (24-pin) | ✓ | | |
| EPS power connector (8-pin) | ✓ | | |

| | | | |
|---|---|------------------------------------|---|
| Internal I/O | | Logistics data | |
| TPM connector | ✓ | Country of origin | China |
| 12V power connector | ✓ | Products per shipping (inner) case | 1 pc(s) |
| RGB LED pin header | ✓ | Battery | |
| Rear panel I/O ports | | Battery weight | 3 g |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2 | Lithium weight per battery | 0.07 g |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity * | 3 | 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 | 1 | Packaging data | |
| Microphone in | ✓ | Package width | 265 mm |
| S/PDIF out port | ✓ | Package depth | 235 mm |
| Thunderbolt ports quantity | 1 | Package height | 97 mm |
| | | Package weight | 1.64 kg |
| | | Weight & dimensions | |
| | | Width | 170 mm |
| | | Depth | 170 mm |
| | | Height | 35 mm |
| | | Packaging content | |
| | | Batteries included | ✓ |
| | | Bundled software | Norton® Internet Security (OEM version) LAN bandwidth management software |
| | | Other features | |
| | | Weight | 1.42 kg |
| | | Technical details | |
| | | Warranty period | 3 year(s) |



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