

GIGABYTE Z890 AORUS PRO ICE Motherboard - Supports Intel Core Ultra (Series 2) CPUs, 16+1+2 phases VRM, up to 9500MHz DDR5 (OC), 1xPCIe 5.0 + 4xPCIe 4.0, Wi-Fi 7, 5GbE LAN, Thunderbolt 4

Brand : GIGABYTE

Product code: Z890 AORUS PRO ICE

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- Digital 16+1+2+1 Phases 90A 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 BE200 with WIFI EZ-Plug Design
- 5GbE LAN, THUNDERBOLT 4 Type-C, USB 3.2 Gen2x2 Type-C
- AORUS Exclusive DDR Cooling kit: DDR Wind Blade

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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             | 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 BE200       |
| 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                |
| ECC compatibility                              | Non-ECC   | Audio chip                          | Realtek ALC1220           |
| Supported memory clock speeds                  | 5600,5800,6000,6200,6400,6600,6800,7000,7200,7400,7600,7800,7900,7950,8000,8200,8266,8400,8600,9500 MHz | Audio output channels *             | 7.1 channels              |
| Supported memory clock speed (max)             | 9500 MHz  | Product colour                      | White                     |
| Maximum internal memory *                      | 256 GB  | PC health monitoring                | Fan, Temperature, Voltage |
| Supported memory module capacities             | 1GB, 2GB, 4GB, 8GB, 12GB, 16GB, 24GB, 32GB, 40GB, 48GB, 64GB  | Component for *                     | PC                        |
| Storage controllers                            |   | Motherboard form factor *           | ATX                       |
| Supported storage drive types                  | HDD & SSD   | Motherboard chipset family *        | Intel                     |
| Supported storage drive interfaces *           | M.2, SATA III   | Windows operating systems supported | Windows 11 x64            |
| Number of HDDs supported                       | 9   | Expansion slots                     |                           |
| Number of storage drives supported             | 4   | PCI Express x16 (Gen 4.x) slots     | 2                         |
| RAID support                                   | ✓   | PCI Express x16 (Gen 5.x) slots     | 1                         |
| RAID levels                                    | 0, 1, 5, 10   | Number of M.2 (M) slots             | 5                         |
| Graphics                                       |   | BIOS                                |                           |
| On-board graphics card                         | ✗   | BIOS type *                         | UEFI AMI                  |
| DirectX version                                | 12.0  | BIOS memory size                    | 256 Mbit                  |
| Internal I/O                                   |   | ACPI version                        | 5.0                       |
| USB 2.0 connectors *                           | 2   | Clear CMOS jumper                   | ✓                         |
| USB 3.2 Gen 1 (3.1 Gen 1) connectors *         | 1   |                                     |                           |
| USB 3.2 Gen 2x2 connectors                     | 1   |                                     |                           |
| Number of SATA III connectors *                | 4   |                                     |                           |
| Total number of SATA connectors                | 4   |                                     |                           |

| Internal I/O                                      |   | BIOS                                       |   |
|---|---|--|---|
| ATX Power connector (24-pin)                      | ✓ | Clear CMOS button                          | ✓   |
| EPS power connector (8-pin)                       | ✓ | Desktop Management Interface (DMI) version | 2.7   |
| Number of EPS power connectors (8-pin)            | 2 | System Management BIOS (SMBIOS) version    | 2.7   |
| TPM connector                                     | ✓ | Logistics data                             |   |
| 12V power connector                               | ✓ | Country of origin                          | China   |
| RGB LED pin header                                | ✓ | Products per shipping (inner) case         | 1 pc(s)   |
| Rear panel I/O ports                              |   | Battery                                    |   |
| 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   |
| Ethernet LAN (RJ-45) ports *                      | 1 | Battery technology                         | Lithium-Manganese Dioxide (LiMnO2)  |
| HDMI ports quantity *                             | 1 | Battery type                               | CR2032  |
| DisplayPorts quantity                             | 2 | Packaging data                             |   |
| Microphone in                                     | ✓ | Package width                              | 335 mm  |
| S/PDIF out port                                   | ✓ | Package depth                              | 270 mm  |
| Thunderbolt ports quantity                        | 2 | Package height                             | 80 mm   |
|   |   | Package weight                             | 2.55 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                                     | 2.27 kg   |
|   |   | Technical details                          |   |
|   |   | Warranty period                            | 3 year(s)   |



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### Catalog Object Cloud



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