

GIGABYTE Z890 AORUS MASTER Motherboard - Supports Intel Core Ultra (Series 2) CPUs, 18+1+2 phases VRM, up to 9500MHz DDR5 (OC), 2xPCIe 5.0 + 3xPCIe 4.0, Wi-Fi 7, 10GbE LAN, USB 4

Brand : GIGABYTE

Product code: Z890 AORUS MASTER

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- Digital 18+1+2+1 Phases 110A 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
  - 10GbE 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                    | 10 Gigabit Ethernet       |
| Supported processor sockets                                                                                                                                                                                                                                               | LGA 1851             | Wi-Fi *                                    | ✓                         |
| Maximum internal memory supported by processor                                                                                                                                                                                                                            | 256 GB               | Top Wi-Fi standard                         | Wi-Fi 7 (802.11be)        |
| <b>Memory</b><br>Supported memory types *<br>Number of memory slots *<br>Memory slots type<br>Memory channels<br>Non-ECC<br>Supported memory clock speeds<br>Supported memory clock speed (max)<br>Maximum internal memory *<br>Supported memory module capacities        |                      | Wi-Fi standards                            | Wi-Fi 7 (802.11be)        |
|                                                                                                                                                                                                                                                                           |                      | WLAN controller model                      | Intel Wi-Fi 7 BE200       |
|                                                                                                                                                                                                                                                                           |                      | Bluetooth                                  | ✓                         |
|                                                                                                                                                                                                                                                                           |                      | Bluetooth version                          | 5.4                       |
|                                                                                                                                                                                                                                                                           |                      | <b>Features</b>                            |                           |
|                                                                                                                                                                                                                                                                           |                      | Motherboard chipset *                      | Intel Z890                |
| <b>Storage controllers</b><br>Supported storage drive types<br>Supported storage drive interfaces *<br>Number of HDDs supported<br>Number of storage drives supported<br>RAID support<br>RAID levels                                                                      |                      | Audio output channels *                    | 5.1 channels              |
|                                                                                                                                                                                                                                                                           |                      | Product colour                             | Black                     |
|                                                                                                                                                                                                                                                                           |                      | PC health monitoring                       | Fan, Temperature, Voltage |
|                                                                                                                                                                                                                                                                           |                      | Component for *                            | PC                        |
|                                                                                                                                                                                                                                                                           |                      | Motherboard form factor *                  | ATX                       |
|                                                                                                                                                                                                                                                                           |                      | Motherboard chipset family *               | Intel                     |
| <b>Graphics</b><br>DirectX version                                                                                                                                                                                                                                        |                      | Windows operating systems supported        | Windows 11 x64            |
|                                                                                                                                                                                                                                                                           |                      | <b>Expansion slots</b>                     |                           |
|                                                                                                                                                                                                                                                                           |                      | Number of M.2 (M) slots                    | 5                         |
|                                                                                                                                                                                                                                                                           |                      | <b>BIOS</b>                                |                           |
|                                                                                                                                                                                                                                                                           |                      | BIOS type *                                | UEFI AMI                  |
|                                                                                                                                                                                                                                                                           |                      | BIOS memory size                           | 256 Mbit                  |
| <b>Internal I/O</b><br>USB 2.0 connectors *<br>USB 3.2 Gen 1 (3.1 Gen 1) connectors *<br>USB 3.2 Gen 2x2 connectors<br>Number of SATA III connectors *<br>Total number of SATA connectors<br>ATX Power connector (24-pin)<br>EPS power connector (8-pin)<br>TPM connector |                      | ACPI version                               | 5.0                       |
|                                                                                                                                                                                                                                                                           |                      | Clear CMOS jumper                          | ✓                         |
|                                                                                                                                                                                                                                                                           |                      | Clear CMOS button                          | ✓                         |
|                                                                                                                                                                                                                                                                           |                      | Desktop Management Interface (DMI) version | 2.7                       |
|                                                                                                                                                                                                                                                                           |                      | System Management BIOS (SMBIOS) version    | 2.7                       |
|                                                                                                                                                                                                                                                                           |                      |                                            |                           |

| Internal I/O                                      |   | 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 *                          | 2 | 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 * | 6 | 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                     | 2.51 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 |
|                                                   |   | Technical details                  |                                                                           |
|                                                   |   | Warranty period                    | 3 year(s)                                                                 |



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