**GIGABYTE**

# GIGABYTE Z890 AORUS MASTER placa base Intel Z890 LGA 1851 (Socket V1) ATX

**Marca :** GIGABYTE

**Código del producto:** Z890 AORUS MASTER

**Nombre del producto :** Placa base Z890 AORUS MASTER - Compatible con CPUs Intel Core Ultra (Serie 2), VRM de 18+1+2 fases, hasta 9500MHz DDR5 (OC), 2xPCIe 5.0 + 3xPCIe 4.0, Wi-Fi 7, LAN 10GbE, Thunderbolt 4

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## Processor

| | |
|---|---|
| Processor manufacturer * | Intel |
| Processor socket * | LGA 1851 (Socket V1) |
| Compatible processor series * | Intel Core Ultra (Series 2) |
| Supported processor sockets | LGA 1851 |
| Maximum internal memory supported by processor | 256 GB |

### Memory

| | |
|---|---|
| Supported memory types * | DDR5-SDRAM |
| Number of memory slots * | 4 |
| Memory slots type | DIMM |
| Memory channels | Dual-channel |
| ECC compatibility | Non-ECC |
| Supported memory clock speeds | 5600,5800,6000,6200,6400,6600,7000,7200,7400,7600,7800,7900,7950,8000,8200,8266,8400,8600,9500 MHz |
| Supported memory clock speed (max) | 9500 MHz |
| Maximum internal memory * | 256 GB |
| Supported memory module capacities | 1GB, 2GB, 4GB, 8GB, 12GB, 16GB, 24GB, 32GB, 40GB, 48GB, 64GB |

## Storage controllers

| | |
|---|---|
| Supported storage drive types | HDD & SSD |
| Supported storage drive interfaces * | M.2, SATA III |
| Number of HDDs supported | 9 |
| Number of storage drives supported | 4 |
| RAID support | ✔ |
| RAID levels | 0, 1, 5, 10 |

## Graphics

| | |
|---|---|
| DirectX version | 12.0 |

## Internal I/O

| | |
|---|---|
| USB 2.0 connectors * | 2 |
| USB 3.2 Gen 1 (3.1 Gen 1) connectors * | 2 |
| USB 3.2 Gen 2x2 connectors | 1 |
| Number of SATA III connectors * | 4 |

## Network

| | |
|---|---|
| Ethernet LAN | ✔ |
| Ethernet interface type | 10 Gigabit Ethernet |
| Wi-Fi * | ✔ |
| Top Wi-Fi standard | Wi-Fi 7 (802.11be) |
| Wi-Fi standards | Wi-Fi 7 (802.11be) |
| WLAN controller model | Intel Wi-Fi 7 BE200 |
| Bluetooth | ✔ |
| Bluetooth version | 5.4 |

## Features

| | |
|---|---|
| Motherboard chipset * | Intel Z890 |
| 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 |
| Windows operating systems supported | Windows 11 x64 |

## Expansion slots

| | |
|---|---|
| Number of M.2 (M) slots | 5 |

## BIOS

| | |
|---|---|
| BIOS type * | UEFI AMI |
| BIOS memory size | 256 Mbit |
| ACPI version | 5.0 |
| Clear CMOS jumper | ✔ |
| Clear CMOS button | ✔ |

## Internal I/O

| | |
|---|---|
| Total number of SATA connectors | 4 |
| ATX Power connector (24-pin) | ✔ |
| EPS power connector (8-pin) | ✔ |
| TPM connector | ✔ |
| 12V power connector | ✔ |
| RGB LED pin header | ✔ |

## Rear panel I/O ports

| | |
|---|---|
| USB 2.0 ports quantity * | 2 |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 4 |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity * | 6 |
| Ethernet LAN (RJ-45) ports * | 1 |
| HDMI ports quantity * | 1 |
| DisplayPorts quantity | 2 |
| Microphone in | ✔ |
| S/PDIF out port | ✔ |
| Thunderbolt ports quantity | 2 |

## BIOS

| | |
|---|---|
| Desktop Management Interface (DMI) version | 2.7 |
| System Management BIOS (SMBIOS) version | 2.7 |

## Logistics data

| | |
|---|---|
| Country of origin | China |
| Products per shipping (inner) case | 1 pc(s) |

## 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 | 2.51 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 |

## Other features

| | |
|---|---|
| Weight | 2.19 kg |

## Technical details

| | |
|---|---|
| Warranty period | 3 year(s) |

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