

## ASUS ROG STRIX Z890-A GAMING WIFI Intel Z890 LGA 1851 (Socket V1) ATX

**Brand :** ASUS

**Product code:** 90MB1I90-M0EAY0

**Product name :** ROG STRIX Z890-A GAMING WIFI

ROG STRIX Z890-A GAMING WIFI motherboard socket Intel LGA 1851 (ATX, Advanced AI, DDR5, WiFi 7, 5x M.2, PCIe 5.0, 2x Thunderbolt 4, Q-Release, DIMM Flex)

ASUS ROG STRIX Z890-A GAMING WIFI. Processor manufacturer: Intel, Processor socket: LGA 1851 (Socket V1), Compatible processor series: Intel Core Ultra (Series 2). Supported memory types: DDR5-SDRAM, Maximum internal memory: 192 GB, Memory slots type: DIMM. Supported storage drive interfaces: M.2, SATA III, Supported storage drive types: HDD & SSD, RAID levels: 0, 1, 5, 10. Ethernet interface type: 2.5 Gigabit Ethernet, Top Wi-Fi standard: Wi-Fi 7 (802.11be), 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.... Component for: PC, Motherboard form factor: ATX, Motherboard chipset family: Intel



| Processor                                |                             | Rear panel I/O ports         |                                                                                                                               |
|------------------------------------------|-----------------------------|------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Processor manufacturer *                 | Intel                       | Ethernet LAN (RJ-45) ports * | 1                                                                                                                             |
| Processor socket *                       | LGA 1851 (Socket V1)        | HDMI ports quantity *        | 1                                                                                                                             |
| Compatible processor series *            | Intel Core Ultra (Series 2) | HDMI version                 | 2.1                                                                                                                           |
| Memory                                   |                             | DisplayPorts quantity        | 1                                                                                                                             |
| Supported memory types *                 | DDR5-SDRAM                  | DisplayPort version          | 1.4                                                                                                                           |
| Number of memory slots *                 | 4                           | Headphone outputs            | 1                                                                                                                             |
| Memory slots type                        | DIMM                        | Line-in                      | ✓                                                                                                                             |
| Memory channels                          | Dual-channel                | S/PDIF out port              | ✓                                                                                                                             |
| ECC compatibility                        | Non-ECC                     | Thunderbolt ports quantity   | 2                                                                                                                             |
| Supported memory clock speed (max)       | 8600 MHz                    | WiFi-AP antenna jack         | 2                                                                                                                             |
| Maximum internal memory *                | 192 GB                      | Network                      |                                                                                                                               |
| Unbuffered memory                        | ✓                           | Ethernet LAN                 | ✓                                                                                                                             |
| Storage controllers                      |                             | Ethernet interface type      | 2.5 Gigabit Ethernet                                                                                                          |
| Supported storage drive types            | HDD & SSD                   | Wi-Fi *                      | ✓                                                                                                                             |
| Supported storage drive interfaces *     | M.2, SATA III               | Top Wi-Fi standard           | Wi-Fi 7 (802.11be)                                                                                                            |
| Number of HDDs supported                 | 4                           | 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 storage drives supported       | 9                           | Bluetooth                    | ✓                                                                                                                             |
| RAID support                             | ✓                           | Bluetooth version            | 5.4                                                                                                                           |
| RAID levels                              | 0, 1, 5, 10                 | Features                     |                                                                                                                               |
| Graphics                                 |                             | Motherboard chipset *        | Intel Z890                                                                                                                    |
| Parallel processing technology support * | Not supported               | Audio chip                   | Realtek ALC4080                                                                                                               |
| On-board graphics card                   | ✗                           | Audio output channels *      | 7.1 channels                                                                                                                  |
| Internal I/O                             |                             | Product colour               | White                                                                                                                         |
| USB 2.0 connectors *                     | 2                           | Component for *              | PC                                                                                                                            |
|                                          |                             | Motherboard form factor *    | ATX                                                                                                                           |

| Internal I/O                                      |   | Features                            |            |
|---------------------------------------------------|---|-------------------------------------|------------|
| USB 3.2 Gen 1 (3.1 Gen 1) connectors *            | 2 | Motherboard chipset family *        | Intel      |
| USB 3.2 Gen 2 (3.1 Gen 2) connectors *            | 1 | Cooling type                        | Passive    |
| Number of SATA III connectors *                   | 4 | Power source type                   | ATX        |
| Front panel audio connector                       | ✓ | Windows operating systems supported | Windows 11 |
| ATX Power connector (24-pin)                      | ✓ | Expansion slots                     |            |
| CPU fan connector                                 | ✓ | PCI Express x16 (Gen 4.x) slots     | 1          |
| Number of chassis fan connectors                  | 5 | PCI Express x16 (Gen 5.x) slots     | 1          |
| Chassis intrusion connector                       | ✓ | Number of M.2 (M) slots             | 5          |
| EPS power connector (8-pin)                       | ✓ | BIOS                                |            |
| Thunderbolt headers                               | 1 | BIOS type *                         | UEFI AMI   |
| 12V power connector                               | ✓ | BIOS memory size                    | 256 Mbit   |
| RGB LED pin header                                | ✓ | Clear CMOS button                   | ✓          |
| Rear panel I/O ports                              |   | Packaging data                      |            |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2 | Package width                       | 353 mm     |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity * | 5 | Package depth                       | 273 mm     |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity * | 1 | Package height                      | 68 mm      |
|                                                   |   | Package weight                      | 1.98 kg    |
|                                                   |   | Weight & dimensions                 |            |
|                                                   |   | Width                               | 305 mm     |
|                                                   |   | Depth                               | 244 mm     |
|                                                   |   | Packaging content                   |            |
|                                                   |   | Cables included                     | SATA       |
|                                                   |   | Other features                      |            |
|                                                   |   | Quick installation guide            | ✓          |
|                                                   |   | Back-to-BIOS button                 | ✓          |



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### Catalog Object Cloud



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