

## ASUS ROG STRIX Z790-F GAMING WIFI II Intel Z790 LGA 1700 ATX

**Brand :** ASUS

**Product code:** 90MB1FM0-M0EAY0

**Product name :** ROG STRIX Z790-F GAMING WIFI II

Intel LGA1700 ATX, DDR5, 5x M.2, PCIe 5.0, WiFi 7, AI Cooling II, Aura Sync  
 ASUS ROG STRIX Z790-F GAMING WIFI II. Processor manufacturer: Intel, Processor socket: LGA 1700, Compatible processor series: Intel® Celeron®, Intel® Pentium® Gold, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, .... 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: Wi-Fi 7 (802.11be). Component for: PC, Motherboard form factor: ATX, Motherboard chipset family: Intel



| Processor                                |   | Rear panel I/O ports                              |                            |
|--|---|---|----------------------------|
| Processor manufacturer *                 | Intel   | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 4                          |
| Processor socket *                       | LGA 1700  | USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity * | 2                          |
| Compatible processor series *            | Intel® Celeron®, Intel® Pentium® Gold, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9 | USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity * | 1                          |
| Supported processor sockets              | LGA 1700  | USB 3.2 Gen 2x2 Type-C ports quantity             | 1                          |
| Memory                                   |   | Ethernet LAN (RJ-45) ports *                      | 1                          |
| Supported memory types *                 | DDR5-SDRAM  | HDMI ports quantity *                             | 1                          |
| Number of memory slots *                 | 4   | DisplayPorts quantity                             | 1                          |
| Memory slots type                        | DIMM  | Headphone outputs                                 | 1                          |
| Memory channels                          | Dual-channel  | Microphone in                                     | ✓                          |
| Non-ECC                                  | ✓   | S/PDIF out port                                   | ✓                          |
| Supported memory clock speeds            | 8000,7800,7600,7400,7200,7000,6800,6600,6400,6200,6000,5800,5600,5400,5200,5000,4800 MHz                  | WiFi-AP antenna jack                              | 1                          |
| Supported memory clock speed (max)       | 8000 MHz  | Network   |                            |
| Maximum internal memory *                | 192 GB  | Ethernet LAN                                      | ✓                          |
| Unbuffered memory                        | ✓   | Ethernet interface type                           | 2.5 Gigabit Ethernet       |
| Storage controllers                      |   | Wi-Fi *   | ✓                          |
| Supported storage drive types            | HDD & SSD   | Top Wi-Fi standard                                | Wi-Fi 7 (802.11be)         |
| Supported storage drive interfaces *     | M.2, SATA III   | Wi-Fi standards                                   | Wi-Fi 7 (802.11be)         |
| Number of HDDs supported                 | 4   | Bluetooth   | ✓                          |
| Number of storage drives supported       | 6   | Bluetooth version                                 | 5.4                        |
| RAID support                             | ✓   | Features  |                            |
| RAID levels                              | 0, 1, 5, 10   | Motherboard chipset *                             | Intel Z790                 |
| Graphics                                 |   | Audio chip  | Realtek ALC4080            |
| Parallel processing technology support * | Not supported   | Audio output channels *                           | 5.1 channels               |
| Internal I/O                             |   | Component for *                                   | PC                         |
| USB 2.0 connectors *                     | 2   | Motherboard form factor *                         | ATX                        |
| USB 3.2 Gen 1 (3.1 Gen 1) connectors *   | 1   | Motherboard chipset family *                      | Intel                      |
| USB 3.2 Gen 2x2 connectors               | 1   | Windows operating systems supported               | Windows 10 x64, Windows 11 |
| Number of SATA III connectors *          | 4   |   |                            |
| Front panel audio connector              | ✓   |   |                            |
| ATX Power connector (24-pin)             | ✓   |   |                            |
| CPU fan connector                        | ✓   |   |                            |

| Internal I/O                     |   | Expansion slots                 |          |
|----------------------------------|---|---------------------------------|----------|
| Number of chassis fan connectors | 5 | PCI Express x1 (Gen 3.x) slots  | 1        |
| EPS power connector (8-pin)      | ✓ | PCI Express x16 (Gen 4.x) slots | 1        |
| Thunderbolt headers              | 1 | PCI Express x16 (Gen 5.x) slots | 1        |
| 12V power connector              | ✓ | Number of M.2 (M) slots         | 2        |
| RGB LED pin header               | ✓ | BIOS                            |          |
| Rear panel I/O ports             |   | BIOS type *                     | UEFI AMI |
| USB 2.0 ports quantity *         | 6 | BIOS memory size                | 256 Mbit |
|                                  |   | Clear CMOS button               | ✓        |
|                                  |   | Weight & dimensions             |          |
|                                  |   | Width                           | 305 mm   |
|                                  |   | Depth                           | 244 mm   |
|                                  |   | Packaging content               |          |
|                                  |   | Cables included                 | SATA     |



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