

## ASUS ROG MAXIMUS Z790 FORMULA Intel Z790 LGA 1700 ATX

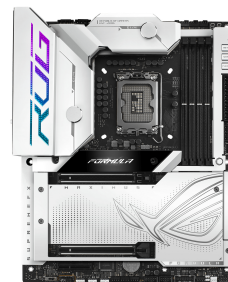
**Brand :** ASUS

**Product code:** 90MB1FS0-M0EAY0

**Product name :** ROG MAXIMUS Z790 FORMULA

ROG MAXIMUS Z790 FORMULA Gaming Motherboard Socket Intel LGA1700 (ATX, DDR5, WiFi 7, 5x M.2, PCIe 5.0, Thunderbolt 4, AI Cooling II, Aura Sync)

ASUS ROG MAXIMUS Z790 FORMULA. Processor manufacturer: Intel, Processor socket: LGA 1700, Compatible processor series: Intel® Celeron®, 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: 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   | USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity * | 1   |
| Processor socket *                       | LGA 1700  | Ethernet LAN (RJ-45) ports *                      | 1   |
| Compatible processor series *            | Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel® Pentium® Gold | HDMI ports quantity *                             | 1   |
|  |   | HDMI version                                      | 2.1   |
| Supported processor sockets              | LGA 1700  | Headphone outputs                                 | 1   |
| Memory                                   |   | Line-in   | ✓   |
| Supported memory types *                 | DDR5-SDRAM  | Microphone in                                     | ✓   |
| Number of memory slots *                 | 4   | S/PDIF out port                                   | ✓   |
| Memory slots type                        | DIMM  | Thunderbolt ports quantity                        | 2   |
| Memory channels                          | Dual-channel  | WiFi-AP antenna jack                              | 2   |
| Non-ECC                                  | ✓   | Network   |   |
| Supported memory clock speeds            | 4800, 5000, 5200, 5400, 5600, 5800, 6000, 6200, 6400, 6600, 6800, 7000, 7200, 7400, 7600, 7800, 8000 MHz  | Ethernet LAN                                      | ✓   |
| Supported memory clock speed (max)       | 8000 MHz  | Ethernet interface type                           | 5 Gigabit Ethernet  |
| Maximum internal memory *                | 192 GB  | Wi-Fi *   | ✓   |
| Unbuffered memory                        | ✓   | Top Wi-Fi standard                                | Wi-Fi 7 (802.11be)  |
| Storage controllers                      |   | 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) |
| Supported storage drive types            | HDD & SSD   |   |   |
| Supported storage drive interfaces *     | M.2, SATA III   | Bluetooth   | ✓   |
| Number of HDDs supported                 | 4   | Bluetooth version                                 | 5.4   |
| Number of storage drives supported       | 9   | Features  |   |
| RAID support                             | ✓   | Motherboard chipset *                             | Intel Z790  |
| RAID levels                              | 0, 1, 5, 10   | Audio chip  | Realtek ALC4082   |
| Graphics                                 |   | Audio output channels *                           | 7.1 channels  |
| Parallel processing technology support * | Not supported   | Component for *                                   | PC  |
| Internal I/O                             |   | Motherboard form factor *                         | ATX   |
| USB 2.0 connectors *                     | 2   | Motherboard chipset family *                      | Intel   |
| USB 3.2 Gen 1 (3.1 Gen 1) connectors *   | 2   | Power source type                                 | ATX   |
| USB 3.2 Gen 2 (3.1 Gen 2) connectors *   | 1   | Windows operating systems supported               | Windows 10, Windows 11  |
| Number of SATA III connectors *          | 4   |   |   |
| Front panel audio connector              | ✓   |   |   |
| ATX Power connector (24-pin)             | ✓   |   |   |

| Internal I/O                                      |   | Expansion slots                 |          |
|---|---|---------------------------------|----------|
| CPU fan connector                                 | ✓ | PCI Express x4 (Gen 4.x) slots  | 1        |
| Number of chassis fan connectors                  | 4 | PCI Express x16 (Gen 5.x) slots | 2        |
| EPS power connector (8-pin)                       | ✓ | Number of M.2 (M) slots         | 5        |
| 12V power connector                               | ✓ | BIOS                            |          |
| RGB LED pin header                                | ✓ | BIOS type *                     | UEFI AMI |
| Rear panel I/O ports                              |   | BIOS memory size                | 256 Mbit |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 4 | Clear CMOS button               | ✓        |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity * | 5 | Packaging data                  |          |
|   |   | Package width                   | 280 mm   |
|   |   | Package depth                   | 265 mm   |
|   |   | Package height                  | 71 mm    |
|   |   | Package weight                  | 4.35 kg  |
|   |   | Weight & dimensions             |          |
|   |   | Width                           | 305 mm   |
|   |   | Depth                           | 244 mm   |
|   |   | Packaging content               |          |
|   |   | Cables included                 | SATA     |
|   |   | Drivers included                | ✓        |
|   |   | Other features                  |          |
|   |   | Back-to-BIOS button             | ✓        |



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