

## ASUS PRIME Z790-A WIFI Intel Z790 LGA 1700 ATX

**Brand :** ASUS

**Product code:** 90MB1CS0-M0EAY0

**Product name :** PRIME Z790-A WIFI

16 + 1 Teamed Power Stages (60A) with Enlarged Heatsinks, Gen 5 Slot for Graphics Card, AEMP II for Ultimate DDR5 Performance, USB 3.2 Gen 2x2 Type-C® & Thunderbolt (USB4®) Support , 2.5 Gb Ethernet, WiFi 6E, Intelligent Control, AI Cooling II

ASUS PRIME Z790-A WIFI. 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: 2.5 Gigabit Ethernet, Top Wi-Fi standard: Wi-Fi 6E (802.11ax), 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  | USB 3.2 Gen 2x2 Type-C ports quantity             | 1   |
| Compatible processor series *            | Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel® Pentium® Gold | Ethernet LAN (RJ-45) ports *                      | 1   |
| Supported processor sockets              | LGA 1700  | HDMI ports quantity *                             | 1   |
| <b>Memory</b>                            |   | DisplayPorts quantity                             | 1   |
| Supported memory types *                 | DDR5-SDRAM  | Headphone outputs                                 | 1   |
| Number of memory slots *                 | 4   | Line-in   | ✓   |
| Memory slots type                        | DIMM  | Microphone in                                     | ✓   |
| Memory channels                          | Dual-channel  | S/PDIF out port                                   | ✗   |
| ECC compatibility                        | Non-ECC   | WiFi-AP antenna jack                              | 1   |
| Supported memory clock speeds            | 4800,5000,5200,5400,5600,5800,6000,6200,6400,6600,6800,7000,7200 MHz                                      | <b>Network</b>                                    |   |
| Supported memory clock speed (max)       | 7200 MHz  | Ethernet LAN                                      | ✓   |
| Maximum internal memory *                | 192 GB  | Ethernet interface type                           | 2.5 Gigabit Ethernet  |
| Unbuffered memory                        | ✓   | Wi-Fi *   | ✓   |
| <b>Storage controllers</b>               |   | Top Wi-Fi standard                                | Wi-Fi 6E (802.11ax)   |
| Supported storage drive types            | HDD & SSD   | 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) |
| Supported storage drive interfaces *     | M.2, SATA III   | Bluetooth   | ✓   |
| RAID support                             | ✓   | Bluetooth version                                 | 5.3   |
| RAID levels                              | 0, 1, 5, 10   | <b>Features</b>                                   |   |
| <b>Graphics</b>                          |   | Motherboard chipset *                             | Intel Z790  |
| Parallel processing technology support * | Not supported   | Audio output channels *                           | 7.1 channels  |
| On-board graphics card                   | ✗   | Product colour                                    | Black, White  |
| <b>Internal I/O</b>                      |   | Component for *                                   | PC  |
| USB 2.0 connectors *                     | 2   | Motherboard form factor *                         | ATX   |
| USB 3.2 Gen 1 (3.1 Gen 1) connectors *   | 1   |   |   |

| Internal I/O                                      |   | Features                            |                            |
|---|---|-------------------------------------|----------------------------|
| USB 3.2 Gen 2 (3.1 Gen 2) connectors *            | 1 | Motherboard chipset family *        | Intel                      |
| Number of SATA III connectors *                   | 4 | Power source type                   | ATX                        |
| Front panel audio connector                       | ✓ | Windows operating systems supported | Windows 10 x64, Windows 11 |
| ATX Power connector (24-pin)                      | ✓ | <b>Expansion slots</b>              |                            |
| CPU fan connector                                 | ✓ | PCI Express x1 (Gen 3.x) slots      | 2                          |
| Number of chassis fan connectors                  | 4 | PCI Express x4 (Gen 4.x) slots      | 1                          |
| Chassis intrusion connector                       | ✓ | PCI Express x16 (Gen 4.x) slots     | 1                          |
| EPS power connector (8-pin)                       | ✓ | PCI Express x16 (Gen 5.x) slots     | 1                          |
| Number of COM connectors                          | 1 | Number of M.2 (M) slots             | 4                          |
| TPM connector                                     | ✓ | <b>BIOS</b>                         |                            |
| Thunderbolt headers                               | 1 | BIOS type *                         | UEFI AMI                   |
| 12V power connector                               | ✓ | BIOS memory size                    | 256 Mbit                   |
| RGB LED pin header                                | ✓ | Clear CMOS button                   | ✓                          |
| <b>Rear panel I/O ports</b>                       |   | <b>Packaging data</b>               |                            |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 4 | Package width                       | 280 mm                     |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity * | 2 | Package depth                       | 265 mm                     |
|   |   | Package height                      | 71 mm                      |
|   |   | Package weight                      | 1.27 kg                    |
|   |   | <b>Weight &amp; dimensions</b>      |                            |
|   |   | Width                               | 305 mm                     |
|   |   | Depth                               | 244 mm                     |
|   |   | <b>Packaging content</b>            |                            |
|   |   | Cables included                     | SATA                       |
|   |   | Drivers included                    | ✓                          |



0195553939324



195553939324



4711081939337

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.