



# ASUS PROART Z790-CREATOR WIFI Intel Z790 LGA 1700 ATX

Brand : ASUS

Product code: 90MB1DV0-M0EAY0

Product name : PROART Z790-CREATOR WIFI

ProArt Z790-CREATOR WIFI Content Creator Mainboard Socket Intel LGA 1700 (Intel Z790, PCIe 5.0, DDR5, Thunderbolt 4, WiFi6E, Quick Charge 4+)

ASUS PROART Z790-CREATOR WIFI. Processor manufacturer: AMD, 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: 128 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, 10 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 *                 | AMD   | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 6   |
| Processor socket *                       | LGA 1700  | Ethernet LAN (RJ-45) ports *                      | 2   |
| 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   |
| Maximum number of SMP processors         | 1   | DisplayPorts quantity                             | 2   |
| Supported processor sockets              | LGA 1700  | DisplayPort version                               | 1.4   |
| <b>Memory</b>                            |   | Headphone outputs                                 | 1   |
| Supported memory types *                 | DDR5-SDRAM  | Line-in   | ✓   |
| Number of memory slots *                 | 4   | Microphone in                                     | ✓   |
| Memory slots type                        | DIMM  | Thunderbolt ports quantity                        | 2   |
| Memory channels                          | Dual-channel  | WiFi-AP antenna jack                              | 2   |
| Non-ECC                                  | ✓   | <b>Network</b>                                    |   |
| Supported memory clock speeds            | 4800,5000,5200,5400,5600,5800,6000,6200,6400,6600,6800,7000,7200 MHz                                      | Ethernet LAN                                      | ✓   |
| Supported memory clock speed (max)       | 7200 MHz  | Ethernet interface type                           | 2.5 Gigabit Ethernet, 10 Gigabit Ethernet   |
| Maximum internal memory *                | 128 GB  | Wi-Fi *   | ✓   |
| Unbuffered memory                        | ✓   | Top Wi-Fi standard                                | Wi-Fi 6E (802.11ax)   |
| <b>Storage controllers</b>               |   | 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 types            | HDD & SSD   | Bluetooth   | ✓   |
| Supported storage drive interfaces *     | M.2, SATA III   | Bluetooth version                                 | 5.3   |
| RAID support                             | ✓   | <b>Features</b>                                   |   |
| RAID levels                              | 0, 1, 5, 10   | Motherboard chipset *                             | Intel Z790  |
| <b>Graphics</b>                          |   | Audio chip  | Realtek S1220A  |
| Parallel processing technology support * | Not supported   | Audio output channels *                           | 7.1 channels  |
| On-board graphics card                   | ✗   | Product colour                                    | Black   |
| <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   | Motherboard chipset family *                      | Intel   |
| USB 3.2 Gen 2 (3.1 Gen 2) connectors *   | 1   | Cooling type                                      | Passive   |
| Number of SATA III connectors *          | 8   | Power source type                                 | ATX   |

| Internal I/O                                |   | Features                            |                        |
|---|---|-------------------------------------|------------------------|
| Front panel audio connector                 | ✓ | Windows operating systems supported | Windows 10, Windows 11 |
| ATX Power connector (24-pin)                | ✓ | <b>Expansion slots</b>              |                        |
| CPU fan connector                           | ✓ | PCI Express x16 (Gen 4.x) slots     | 1                      |
| Number of chassis fan connectors            | 5 | PCI Express x16 (Gen 5.x) slots     | 2                      |
| Peripheral (Molex) power connectors (4-pin) | 1 | Number of M.2 (M) slots             | 4                      |
| EPS power connector (8-pin)                 | ✓ | <b>BIOS</b>                         |                        |
| Number of COM connectors                    | 1 | BIOS memory size                    | 256 Mbit               |
| TPM connector                               | ✓ | <b>Packaging data</b>               |                        |
| 12V power connector                         | ✓ | Package width                       | 331 mm                 |
| RGB LED pin header                          | ✓ | Package depth                       | 266 mm                 |
|   |   | Package height                      | 76 mm                  |
|   |   | Package weight                      | 2.43 kg                |
|   |   | <b>Weight &amp; dimensions</b>      |                        |
|   |   | Width                               | 305 mm                 |
|   |   | Depth                               | 244 mm                 |
|   |   | <b>Other features</b>               |                        |
|   |   | Back-to-BIOS button                 | ✓                      |
|   |   | Number of M.2 (E) slots             | 1                      |



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