



ASUS TUF Gaming Z790-PRO Intel Z790 LGA 1700 ATX

Brand : ASUS

Product code: 90MB1FJ0-M0EAY0

Product name : TUF Gaming Z790-PRO

ASUS TUF Gaming Z790-PRO. 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: 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 * | AMD | HDMI ports quantity * | 1 |
| Processor socket * | LGA 1700 | HDMI version | 2.1 |
| Compatible processor series * | Intel® Celeron®, Intel® Core™ i3, | DisplayPorts quantity | 1 |
| | Intel® Core™ i5, Intel® Core™ i7, | DisplayPort version | 1.4 |
| Supported processor sockets | Intel® Core™ i9, Intel® Pentium® | Headphone outputs | 1 |
| | Gold | Line-in | ✓ |
| Memory | Supported memory types * | Microphone in | ✓ |
| | Number of memory slots * | S/PDIF out port | ✓ |
| | Memory slots type | WiFi-AP antenna jack | 2 |
| | Memory channels | Network | |
| | Non-ECC | Ethernet LAN | ✓ |
| Supported memory clock speeds | 5333,5133,5066,5000,4800,4700,4600,4500,4400,4266,4133,4000,3866,3733,3600,3466,3400,3333,3200,3000,2933,2800,2666,2400,2133 | Ethernet interface type | 2.5 Gigabit Ethernet |
| Supported memory clock speed (max) | 7800 MHz | Wi-Fi * | ✓ |
| Maximum internal memory * | 192 GB | Top Wi-Fi standard | Wi-Fi 6E (802.11ax) |
| Unbuffered memory | ✓ | 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) |
| Storage controllers | | Bluetooth | ✓ |
| Supported storage drive types | HDD & SSD | Bluetooth version | 5.2 |
| Supported storage drive interfaces * | M.2, SATA III | Features | |
| RAID support | ✓ | Motherboard chipset * | Intel Z790 |
| RAID levels | 0, 1, 5, 10 | Audio chip | Realtek S1220A |
| 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 * | 1 | 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 | Expansion slots | |
| Front panel audio connector | ✓ | PCI Express x1 (Gen 3.x) slots | 2 |
| ATX Power connector (24-pin) | ✓ | PCI Express x4 (Gen 4.x) slots | 1 |
| CPU fan connector | ✓ | | |
| Number of chassis fan connectors | 4 | | |
| EPS power connector (8-pin) | ✓ | | |
| Thunderbolt headers | 1 | | |

| Internal I/O | | Expansion slots | |
|---|---|---------------------------------|----------|
| 12V power connector | ✓ | PCI Express x16 (Gen 4.x) slots | 1 |
| RGB LED pin header | ✓ | PCI Express x16 (Gen 5.x) slots | 1 |
| Rear panel I/O ports | | Number of M.2 (M) slots | 4 |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 4 | BIOS | |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity * | 2 | BIOS type * | UEFI AMI |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity * | 1 | BIOS memory size | 192 Mbit |
| USB 3.2 Gen 2x2 Type-C ports quantity | 1 | Clear CMOS button | ✓ |
| Ethernet LAN (RJ-45) ports * | 1 | Packaging data | |
| | | Package width | 340 mm |
| | | Package depth | 275 mm |
| | | Package height | 70 mm |
| | | Package weight | 2.14 kg |
| | | Weight & dimensions | |
| | | Width | 305 mm |
| | | Depth | 244 mm |
| | | Packaging content | |
| | | Cables included | SATA |
| | | User guide | ✓ |
| | | Drivers included | ✓ |



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