

ASUS TUF GAMING Z790-PLUS D4 - motherboard - ATX - LGA1700 Socket - Z790



21-09-2024

SKU	90MB1CQ0-M0EAY0
Product Description:	ASUS TUF GAMING Z790-PLUS D4 - motherboard - ATX - LGA1700 Socket - Z790
Product Type:	Motherboard - ATX
Chipset Type:	Intel Z790
Processor Socket:	1 x LGA1700 Socket
Compatible Processors:	(supports 12th and 13th Generation Intel Core / Pentium Gold / Celeron)
Max RAM Size:	128 GB
RAM Supported:	4 DIMM slots - DDR4, non-ECC, unbuffered

General

Product Type:	Motherboard - ATX
Chipset Type:	Intel Z790
Processor Socket:	LGA1700 Socket
Max Processors Qty:	1
Compatible Processors:	(supports 12th and 13th Generation Intel Core / Pentium Gold / Celeron)

Supported RAM

Max Size:	128 GB
Technology:	DDR4
Bus Clock:	2400 MHz, 2133 MHz, 2800 MHz, 3000 MHz, 2666 MHz, 2933 MHz, 3400 MHz (O.C.), 3333 MHz (O.C.), 3466 MHz (O.C.), 3733 MHz (O.C.), 3600 MHz (O.C.), 3866 MHz (O.C.), 4000 MHz (O.C.), 4133 MHz (O.C.), 4500 MHz (O.C.), 4400 MHz (O.C.), 4266 MHz (O.C.), 4600 MHz (O.C.), 4700 MHz (O.C.), 4800 MHz (O.C.), 3200 MHz, 5000 MHz (O.C.), 5066 MHz (O.C.), 5333 MHz (O.C.), 5133 MHz (O.C.)

Miscellaneous

Included Accessories:	TUF stickers, ASUS Wi-Fi moving aerial, 2 x M.2 rubber package, M.2 screw package, TUF certification card
Cables Included:	2 x Serial ATA cable
Software Included:	ASUS AI Suite III, PC Cleaner, WinRAR, ASUS TUF GAMING CPU-Z, ASUS AURA Creator, MyAsus, Armoury Crate, ASUS Fan Xpert 4, Norton 360 for Gamers
Compliant Standards:	VCCI Class B ITE, JATE, WEEE, FCC Part 15 Class B, DisplayPort 1.4, EU RoHS, EU REACH
Width:	30.5 cm
Depth:	24.4 cm

Features

BIOS Type:	AMI
BIOS Features:	UEFI BIOS, ASUS EZ Flash 3
Sleep / Wake Up:	Wake on LAN (WOL), wake on PME

Supported RAM

Supported RAM Integrity Check: Non-ECC

Registered or Buffered: Unbuffered

Features: Dual channel memory architecture, Intel Extreme Memory Profiles (XMP)

Audio

Type: HD Audio (8-channel)

Audio Codec: Realtek ALC51220A

Compliant Standards: High Definition Audio

LAN

Network Interfaces: 2.5 Gigabit Ethernet, 802.11a/b/g/n/ac/ax, Bluetooth 5.2

Features

Hardware Features: Jack retasking, ASUS Q-Design, ESD Guards, ASUS TurboV EVO, Q-DIMM, ASUS EZ DIY, Q-LED, Q-Slot, CrashFree BIOS 3, audio jack detect technology, Intel Turbo Boost Technology 2.0, ASUS DIGI+ VRM, Preboot eExecution Environment (PXE), ASUS Stainless Steel Back I/O, 6 Layer PCB, Dr.MOS MOSFET, TUF LANGuard, TUF Components, overvoltage protection, ASUS SafeSlot, ASUS SafeDIMM, M.2 heatsink, ASUS ProCool, Water Pump Header, pre-mounted I/O shield, Intel Turbo Boost Max Technology 3.0, ASUS TUF Protection, ASUS Aura Sync, ASUS OptiMem II, 16+1 Phase Power Design, M.2 Q-Latch, PCIe Slot Q-Release, CPU Socket lever protector, VRM heatsink design, 60A Power Stage

Expansion / Connectivity

Expansion Slots: 1 x CPU ; 4 x DIMM 288-pin ; 1 x PCIe 5.0 x16 ; 1 x PCIe 4.0 x16 (x4 mode) ; 1 x PCIe 4.0 x4 ; 2 x PCIe 3.0 x1 ; 2 x M.2 socket (2242/2260/2280 M.2 Key M slot) ; 2 x M.2 socket (2242/2260/2280/22110 M.2 Key M slot)

Storage Interfaces: SATA-600 -connectors: 4 x 7pin Serial ATA - RAID 0 / RAID 1 / RAID 10 / RAID 5 ; PCIe 4.0 -connectors: 3 x M.2 - RAID 0 / RAID 1 / RAID 10 / RAID 5 ; SATA-600 / PCIe 4.0 -connectors: 1 x M.2 - RAID 0 / RAID 1 / RAID 10 / RAID 5

Interfaces: 1 x DisplayPort ; 1 x HDMI ; 1 x USB-C 3.2 Gen2x2 ; 2 x USB 3.2 Gen 2 ; 1 x USB-C 3.2 Gen 2 ; 4 x USB 3.2 Gen 1 ; 1 x audio line-out - mini-jack ; 1 x microphone - mini-jack ; 1 x audio line-out (center/subwoofer) - mini-jack ; 1 x audio line-out (rear) - mini-jack ; 1 x audio line-in - mini-jack ; 1 x SPDIF out ; 1 x LAN (2.5Gigabit Ethernet) ; 2 x aerial

Internal Interfaces: 1 x USB-C 3.2 Gen 2 - header ; 2 x USB 3.2 Gen 1 - header ; 4 x USB 2.0 - header ; 1 x audio - header ; 1 x Thunderbolt - header ; 1 x serial - header

Power Connectors: 4-pin ATX12V connector, 24-pin main power connector, 8-pin ATX12V connector

