

# ASUS Prime Z790-P WIFI - motherboard - ATX - LGA1700 Socket - Z790



Not in stock

SKU	90MB1CJ0-M0EAY0
Product Description:	ASUS Prime Z790-P WIFI - 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 - DDR5, non-ECC, on-die 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:	DDR5
Bus Clock:	5800 MHz (O.C.), 6000 MHz (O.C.), 4800 MHz, 6400 MHz (O.C.), 6600 MHz (O.C.), 7000 MHz (O.C.), 6800 MHz (O.C.), 7200 MHz (O.C.), 5200 MHz, 5000 MHz, 5600 MHz, 5400 MHz
Supported RAM Integrity Check:	Non-ECC, on-die ECC
Registered or Buffered:	Unbuffered

## Miscellaneous

Included Accessories:	IO shield, ASUS Wi-Fi moving aerial, 1 x M.2 rubber package, 2 x M.2 SSD screw package
Cables Included:	2 x Serial ATA cable
Software Included:	ASUS CPU-Z, ASUS AI Suite III, PC Cleaner, WinRAR, MyAsus, Armoury Crate, ASUS Fan Xpert 4, Norton 360 Deluxe (60 days trial)
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:	23.4 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

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

## Audio

**Type:** HD Audio (8-channel)

**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, ASUS TurboV EVO, Q-DIMM, ASUS EZ DIY, Q-LED, Q-Slot, audio jack detect technology, Intel Turbo Boost Technology 2.0, ASUS DIGI+ VRM, Preboot eXecution Environment (PXE), ASUS Stainless Steel Back I/O, LANGuard, overvoltage protection, ASUS 5X Protection III, M.2 heatsink, ASUS ProCool, Water Pump Header, Intel Turbo Boost Max Technology 3.0, ASUS Aura Sync, ASUS OptiMem II, ASUS SafeSlot Core+, DIY Friendly Design, 14+1 DrMOS power stages, VRM heatsink design, ASUS Enhanced Memory Profile (AEMP) II, 50A Power Stage

## Expansion / Connectivity

**Expansion Slots:** 1 x CPU ; 4 x DIMM 288-pin ; 1 x PCIe 5.0 x16 ; 3 x PCIe 4.0 x16 (x4 mode) ; 1 x PCIe 3.0 x1 ; 1 x M.2 socket (2242/2260/2280 M.2 Key M slot) ; 2 x M.2 socket (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: 2 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

**RAID Features:** Intel Rapid Storage Technology

**Interfaces:** 1 x HDMI ; 1 x DisplayPort ; 1 x USB-C 3.2 Gen2x2 ; 1 x USB 3.2 Gen 2 ; 2 x USB 3.2 Gen 1 ; 4 x USB 2.0 ; 2 x aerial ; 1 x microphone - mini-jack ; 1 x audio line-in - mini-jack ; 1 x audio line-out - mini-jack ; 1 x PS/2 keyboard / mouse ; 1 x LAN (2.5Gigabit Ethernet)

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

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

