

Asus PRIME Z790-P WIFI desktop alaplap ATX



Intel, Z790, LGA1700, 4db, 7200MHz, DDR5, PCI-E x16: 1db, PCIe x4: 3db, PCI-E x1: 1db, SATA3: 4db, M.2: 3db, 2,5Gb/s, IEEE 802.11ax (Wi-Fi 6), Bluetooth, HDMI kimenet, DisplayPort, Thunderbolt előkészítés

Cikkszám: PRIME Z790-P WIFI

Ár:

103 660 Ft

Garancia: 3 Év

CPU

Intel® Socket LGA1700 for 13th Gen Intel® Core™ Processors & 12th Gen Intel® Core™, Pentium® Gold and Celeron® Processors*

Supports Intel® Turbo Boost Technology 2.0 and Intel® Turbo Boost Max Technology 3.0**

* Refer to www.asus.com for CPU support list.

** Intel® Turbo Boost Max Technology 3.0 support depends on the CPU types.

Chipset

Intel® Z790 Chipset

Memory

4 x DIMM, Max. 128GB, DDR5 7200(OC)/7000(OC)/6800(OC)/6600(OC)/6400(OC)/ 6200(OC)/ 6000(OC)/ 5800(OC)/ 5600/ 5400/ 5200/ 5000/ 4800 Non-ECC, Un-buffered Memory*

Dual Channel Memory Architecture

Supports Intel® Extreme Memory Profile (XMP)

OptiMem II

* Supported memory types, data rate(Speed), and number of DRAM modules vary depending on the CPU and memory configuration, for more information refer to www.asus.com for memory support list.

* Non-ECC, un-buffered DDR5 memory supports On-Die ECC function.

Graphics

1 x DisplayPort**

1 x HDMI® port***

*Graphics specifications may vary between CPU types. Please refer to www.intel.com for any updates.

** Supports max. 4K@60Hz as specified in DisplayPort 1.4.

*** Supports 4K@60Hz as specified in HDMI 2.1.

Expansion Slots

Intel® 13th & 12th Gen Processors*

1 x PCIe 5.0 x16 slot

Intel® Z790 Chipset

3 x PCIe 4.0 x16 slots (support x4 mode)

1 x PCIe 3.0 x1 slot

* Please check the PCIe bifurcation table on the support site (<https://www.asus.com/support/FAQ/1037507/>).

- To ensure compatibility of the device installed, please refer to <https://www.asus.com/support/> for the list of supported peripherals.

Storage

Total supports 3 x M.2 slots and 4 x SATA 6Gb/s ports*

Intel® 13th & 12th Gen Processors

M.2_1 slot (Key M), type 2242/2260/2280/22110 (supports PCIe 4.0 x4 mode)

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M.2_2 slot (Key M), type 2242/2260/2280 (supports PCIe 4.0 x4 mode)

M.2_3 slot (Key M), type 2242/2260/2280/22110 (supports PCIe 4.0 x4 & SATA modes)

4 x SATA 6Gb/s ports

* Intel® Rapid Storage Technology supports PCIe RAID 0/1/5/10, SATA RAID 0/1/5/10.

Ethernet

1 x Realtek 2.5Gb Ethernet

Wireless & Bluetooth

Wi-Fi 6

2x2 Wi-Fi 6 (802.11 a/b/g/n/ac/ax)

Supports 2.4/5GHz frequency band

Bluetooth® v5.2

USB

Rear USB (Total 8 ports)

1 x USB 3.2 Gen 2x2 port (1 x USB Type-C®)

1 x USB 3.2 Gen 2 port (1 x Type-A)

2 x USB 3.2 Gen 1 ports (2 x Type-A)

4 x USB 2.0 ports (4 x Type-A)

Front USB (Total 9 ports)

1 x USB 3.2 Gen 2 connector (supports USB Type-C®)

2 x USB 3.2 Gen 1 headers support 4 additional USB 3.2 Gen 1 ports

2 x USB 2.0 headers support 4 additional USB 2.0 ports

* USB_E1 port, USB_E2 port, USB_E3 port and USB_E4 port share the bandwidth.

* USB_E5 port, USB_E6 port, USB_E7 port and USB_E8 port share the bandwidth.

Audio

Realtek 7.1 Surround Sound High Definition Audio CODEC*

- Supports: Jack-detection, Multi-streaming, Front Panel Jack-retasking

- Supports up to 24-Bit/192 kHz playback

Audio Features

- Audio Shielding

- Premium audio capacitors

- Dedicated audio PCB layers

* A chassis with an HD audio module in the front panel is required to support 7.1 Surround Sound audio output.

Back Panel I/O Ports

1 x USB 3.2 Gen 2x2 port (1 x USB Type-C®)

1 x USB 3.2 Gen 2 port (1 x Type-A)

2 x USB 3.2 Gen 1 ports (2 x Type-A)

4 x USB 2.0 ports (4 x Type-A)

1 x DisplayPort

1 x HDMI® port

1 x Wi-Fi Module

1 x Realtek 2.5Gb Ethernet port

3 x Audio jacks

1 x PS/2 Keyboard/Mouse combo port

Internal I/O Connectors

Fan and Cooling related

1 x 4-pin CPU Fan header

1 x 4-pin CPU OPT Fan header

1 x 4-pin AIO Pump header

3 x 4-pin Chassis Fan headers

Power related

1 x 24-pin Main Power connector

1 x 8-pin +12V Power connector

1 x 4-pin +12V Power connector

Storage related

3 x M.2 slots (Key M)

4 x SATA 6Gb/s ports

USB

1 x USB 3.2 Gen 2 connector (supports USB Type-C®)

2 x USB 3.2 Gen 1 headers support 4 additional USB 3.2 Gen 1 ports

2 x USB 2.0 headers support 4 additional USB 2.0 ports

Miscellaneous

3 x Addressable Gen 2 headers

2 x Aura RGB headers

1 x Clear CMOS header

1 x COM Port header

1 x Front Panel Audio header (AAFP)

1 x S/PDIF Out header

1 x SPI TPM header (14-1pin)

1 x 20-5pin System Panel header

1 x Thunderbolt™ (USB4®) Header

Special Features

ASUS 5X PROTECTION III

- DIGI+ VRM (- Digital power design with DrMOS)

- LANGuard

- Overvoltage Protection

- SafeSlot Core+

- Stainless-Steel Back I/O

ASUS Q-Design

- Q-DIMM

- Q-Slot

- Q-LED Core

ASUS Thermal Solution

- Flexible M.2 heatsink

- VRM heatsink design

ASUS EZ DIY

- ProCool

Aura Sync

- Aura RGB headers

- Addressable Gen 2 headers

Software Features

ASUS Exclusive Software

Armoury Crate

- Aura Sync

- Fan Xpert 4 (with AI Cooling II)

- Power Saving

AI Suite 3

-TurboV EVO

-PC Cleaner

-DIGI+ VRM

ASUS CPU-Z

MyASUS

Norton 360 Deluxe (60 Days Free Trial)

WinRAR

UEFI BIOS

ASUS EZ DIY

- ASUS CrashFree BIOS 3

- ASUS EZ Flash 3

- ASUS UEFI BIOS EZ Mode

BIOS

192 (128+64) Mb Flash ROM, UEFI AMI BIOS

WOL by PME, PXE

Manageability

Accessories

- Cables**
2 x SATA 6Gb/s cables
- Miscellaneous**
1 x ASUS Wi-Fi moving antennas
1 x I/O Shield
1 x M.2 Rubber Package
2 x Screw packages for M.2 SSD
- Documentation**
1 x User guide

Operating System

Windows® 11, Windows® 10 64-bit

Form Factor

ATX Form Factor
12 inch x 9.2 inch (30.5 cm x 23.4 cm)

LGA1700	1
matmodell kész	Van
USB-A 3.2 Gen1×1	2
USB-A 3.2 Gen2×1	1
USB-C 3.2 Gen2×2	1
Gyártó	Asus
ATX	1
hosszúság	305 mm
platform	Intel
sata csatlakozók száma	4 db
szélesség	234 mm