

ASRock Z790M-ITX WIFI / Intel Z790 / LGA1700 / 2x DDR5 / 2x M.2 / HDMI / DP / USB-C / WiFi / Mini-ITX

cena vč DPH: **6695 Kč**

cena bez DPH: 5533 Kč

Kód zboží (ID): 5493331

PN: Z790M-ITX-WIFI

Záruka: 24 měsíců



Z790M-ITX WiFi

- Supports 13th Gen & 12th Gen Intel Core™ Processors
- 7+1+1 Phase Power Design, Dr.MOS for VCore+GT
- 2 x DDR5 DIMMs, supports up to 6800+(OC)
- 1 PCIe 5.0 x16
- Graphics Output Options: 1 HDMI, 1 DisplayPort, eDP
- 7.1 CH HD Audio (Realtek ALC897 Audio Codec), Nahimic Audio
- 1 Hyper M.2 (PCIe Gen4x4), 1 Hyper M.2 (PCIe Gen4x4 & SATA3), 4 SATA3
- 1 USB 3.2 Gen2x2 Type-C (Front), 1 USB 3.2 Gen2x2 Type-C (Rear), 4 USB 3.2 Gen2 Type-A (Rear), 2 USB 3.2 Gen1 (Front), 3 USB 2.0 (1 Rear, 2 Front)
- Intel 2.5G LAN, Intel 1G LAN
- 802.11ax Wi-Fi 6E + Bluetooth

Unique Feature

Superb Productivity - PCIe Gen5 (Graphic) - Dual Channel DDR5 Rock-Solid Durability - 7+1+1 Power Phase, 50A Dr.MOS for VCore+GT - Nichicon 12K Black Caps (100% Japan made high quality conductive polymer capacitors) Ultrafast Connectivity - 2.5G LAN, 802.11ax Wi-Fi 6E Module EZ Update - ASRock Auto Driver Installer

CPU

- Supports 13th Gen & 12th Gen Intel Core™ Processors (LGA1700) - Supports Intel

Hybrid Technology - Supports Intel Turbo Boost Max 3.0 Technology - Supports Intel Thermal Velocity Boost (TVB) - Supports Intel Adaptive Boost Technology (ABT)

Chipset

- Intel Z790

Memory

- Dual Channel DDR5 Memory Technology - 2 x DDR5 DIMM Slots - Supports DDR5 non-ECC, un-buffered memory up to 6800+(OC)* - Max. capacity of system memory: 64GB - Supports Intel Extreme Memory Profile (XMP) 3.0

*1DPC 1R Up to 6800+ MHz (OC), 5600 MHz Natively. 1DPC 2R Up to 5200+ MHz (OC), 5200 MHz Natively.

BIOS

- 128Mb AMI UEFI Legal BIOS with GUI support

Graphics

- Intel Xe Graphics Architecture (Gen 12) - 1 x eDP 1.4, supports max. resolution up to Full HD 60Hz - 1 x HDMI 2.1 TMDS Compatible, supports HDCP 2.3 and max. resolution up to 4K 60Hz - 1 x DisplayPort 1.4 with DSC (compressed), supports HDCP 2.3 and max. resolution up to 8K 60Hz / 5K 120Hz

*Intel UHD Graphics Built-in Visuals and the VGA outputs can be supported only with processors which are GPU integrated.

Audio

- 7.1 CH HD Audio (Realtek ALC897 Audio Codec) - Nahimic Audio

LAN

- 1 x 2.5 Gigabit LAN 10/100/1000/2500 Mb/s (Intel I226V) - 1 x Gigabit LAN 10/100/1000 Mb/s (Intel I219V)

Wireless LAN

- 802.11ax Wi-Fi 6E Module - Supports IEEE 802.11a/b/g/n/ac/ax - Supports Dual-Band 2x2 with extended 6GHz band support* - 2 antennas to support 2 (Transmit) x 2 (Receive) diversity technology - Supports Bluetooth + High speed class II - Supports MU-MIMO

*Wi-Fi 6E (6GHz band) will be supported by Microsoft Windows 11. The availability will depend on the different regulation status of each country and region. It will be activated (for supported countries) through Windows Update and software updates

once available. A 6GHz compatible router is required for 6E functionality.

Slots

CPU: - 1 x PCIe 5.0 x16 Slot (PCIE1), supports x16 mode* Chipset: - 1 x Vertical M.2 Socket (Key E), supports type 2230 WiFi/BT PCIe WiFi module and Intel CNVio/CNVio2 (Integrated WiFi/BT)

*Supports PCIe riser cards to extend one x16 slot to two x8 slots Supports NVMe SSD as boot disks

Storage

CPU: - 1 x Hyper M.2 Socket (M2_1, Key M), supports type 2280 PCIe Gen4x4 (64 Gb/s) mode* Chipset: - 1 x Hyper M.2 Socket (M2_2, Key M), supports type 2280 SATA3 6.0 Gb/s & PCIe Gen4x4 (64 Gb/s) modes* - 4 x SATA3 6.0 Gb/s Connectors

*Supports Intel Volume Management Device (VMD) Supports NVMe SSD as boot disks

RAID

- Supports RAID 0, RAID 1, RAID 5 and RAID 10 for SATA storage devices - Supports RAID 0, RAID 1 and RAID 5 for M.2 NVMe storage devices*

* Requires additional M.2 NVMe expansion cards to support RAID 5

USB

- 1 x USB 3.2 Gen2x2 Type-C (Rear) - 1 x USB 3.2 Gen2x2 Type-C (Front) - 4 x USB 3.2 Gen2 Type-A (Rear) - 2 x USB 3.2 Gen1 (Front) - 3 x USB 2.0 (1 Rear, 2 Front)

*All USB ports support ESD Protection

Connector

- 1 x eDP Signal Connector - 1 x RGB LED Header* - 1 x Addressable LED Header** - 1 x CPU/Water Pump Fan Connector (4-pin) (Smart Fan Speed Control)*** - 2 x Chassis Fan Connectors (4-pin)**** - 1 x 24 pin ATX Power Connector - 1 x 8 pin 12V Power Connector (Hi-Density Power Connector) - 1 x Front Panel Audio Connector - 1 x USB 2.0 Header (Supports 2 USB 2.0 ports) - 1 x USB 3.2 Gen1 Header (Supports 2 USB 3.2 Gen1 ports) - 1 x Front Panel Type C USB 3.2 Gen2x2 Header (20 Gb/s)*****

*Supports in total up to 12V/3A, 36W LED Strip

**Supports in total up to 5V/3A, 15W LED Strip

***CPU_FAN1/WP supports the fan power up to 2A (24W). CPU_FAN1/WP can auto detect if 3-pin or 4-pin fan is in use.

****CHA_FAN1~2 support the fan power up to 1A (12W).

*****Actual speed depends on USB devices and extension cable in the chassis.

Rear Panel I/O

- 2 x Antenna Ports - 1 x HDMI Port - 1 x DisplayPort 1.4 - 1 x Optical SPDIF Out Port
- 4 x USB 3.2 Gen2 Type-A Ports (10 Gb/s) - 1 x USB 3.2 Gen2x2 Type-C Port (20 Gb/s) - 1 x USB 2.0 Port - 2 x RJ-45 LAN Ports - 1 x Line Out Jack (Gold Audio Jack) - 1 x Microphone Input Jack (Gold Audio Jack)

Software and UEFI

Software - ASRock Motherboard Utility (A-Tuning) - ASRock Polychrome SYNC - ASRock XFast LAN UEFI - ASRock EZ Mode - ASRock Full HD UEFI - ASRock My Favorites in UEFI - ASRock Auto Driver Installer - ASRock Instant Flash - ASRock Easy RAID Installer

*These utilities can be downloaded from ASRock Live Update & APP Shop.

Accessories

- 1 x User Manual - 1 x I/O Shield - 2 x SATA Data Cables - 2 x ASRock WiFi 2.4/5/6 GHz Antennas - 2 x Screws for M.2 Sockets

Form Factor

- Mini-ITX Form Factor: 6.7-in x 6.7-in, 17.0 cm x 17.0 cm - 8 Layer PCB

OS

- Microsoft Windows 10 64-bit / 11 64-bit

*Windows 10 only supports version 21H2 or later

Certifications

- FCC, CE - ErP/EuP ready (ErP/EuP ready power supply is required)

Z790M-ITX WiFi

Supports 13th Gen & 12th Gen Intel Core™ Processors

7+1+1 Phase Power Design, Dr.MOS for VCore+GT

2 x DDR5 DIMMs, supports up to 6800+(OC)

1 PCIe 5.0 x16

- Graphics Output Options: 1 HDMI, 1 DisplayPort, eDP
- 7.1 CH HD Audio (Realtek ALC897 Audio Codec), Nahimic Audio
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<h3>Unique Feature</h3>

<p>Superb Productivity

- PCIe Gen5 (Graphic)
- Dual Channel DDR5

Rock-Solid Durability

- 7+1+1 Power Phase, 50A Dr.MOS for VCore+GT
- Nichicon 12K Black Caps (100% Japan made high quality conductive polymer capacitors)

Ultrafast Connectivity

- 2.5G LAN, 802.11ax Wi-Fi 6E Module

EZ Update

- ASRock Auto Driver Installer</p>

<h3>CPU</h3>

- <p>- Supports 13th Gen & 12th Gen Intel Core™ Processors (LGA1700)
- Supports Intel Hybrid Technology
- Supports Intel Turbo Boost Max 3.0 Technology
- Supports Intel Thermal Velocity Boost (TVB)
- Supports Intel Adaptive Boost Technology (ABT)</p>

<h3>Chipset</h3>

- <p>- Intel Z790</p>

<h3>Memory</h3>

- <p>- Dual Channel DDR5 Memory Technology
- 2 x DDR5 DIMM Slots
- Supports DDR5 non-ECC, un-buffered memory up to 6800+(OC)*
- Max. capacity of system memory: 64GB
- Supports Intel Extreme Memory Profile (XMP) 3.0</p>
- <p>*1DPC 1R Up to 6800+ MHz (OC), 5600 MHz Natively.
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<h3>BIOS</h3>

- <p>- 128Mb AMI UEFI Legal BIOS with GUI support</p>

<h3>Graphics</h3>

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<h3>Audio</h3>

<p>- 7.1 CH HD Audio (Realtek ALC897 Audio Codec)

- Nahimic Audio</p>

<h3>LAN</h3>

<p>- 1 x 2.5 Gigabit LAN 10/100/1000/2500 Mb/s (Intel I226V)

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<h3>Wireless LAN</h3>

<p>- 802.11ax Wi-Fi 6E Module

- Supports IEEE 802.11a/b/g/n/ac/ax

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Chipset:

- 1 x Hyper M.2 Socket (M2_2, Key M), supports type 2280 SATA3 6.0 Gb/s & PCIe Gen4x4 (64 Gb/s) modes*

- 4 x SATA3 6.0 Gb/s Connectors</p>

<p>*Supports Intel Volume Management Device (VMD)

Supports NVMe SSD as boot disks</p>

<h3>RAID</h3>

<p>- Supports RAID 0, RAID 1, RAID 5 and RAID 10 for SATA storage devices

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<h3>USB</h3>

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- 1 x USB 3.2 Gen2x2 Type-C (Front)

- 4 x USB 3.2 Gen2 Type-A (Rear)

- 2 x USB 3.2 Gen1 (Front)

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<p>*All USB ports support ESD Protection</p>

<h3>Connector</h3>

<p>- 1 x eDP Signal Connector

- 1 x RGB LED Header*

- 1 x Addressable LED Header**
- 1 x CPU/Water Pump Fan Connector (4-pin) (Smart Fan Speed Control)***
- 2 x Chassis Fan Connectors (4-pin)****
- 1 x 24 pin ATX Power Connector
- 1 x 8 pin 12V Power Connector (Hi-Density Power Connector)
- 1 x Front Panel Audio Connector
- 1 x USB 2.0 Header (Supports 2 USB 2.0 ports)
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Software

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UEFI

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