

ASRock Z790 PG-ITX/TB4 / Intel Z790 / LGA1700 / 2x DDR5 / 3x M.2 / HDMI / DP / 2x Thunderbolt / WiFi / Mini-ITX

cena vč DPH: **9624 Kč**

cena bez DPH: 7954 Kč

Kód zboží (ID): 5493324

PN: Z790-PG-ITX-TB4

Záruka: 24 měsíců



Z790 PG-ITX/TB4

- Supports 13th Gen & 12th Gen Intel Core™ Processors
- 10+1+1 Phase Power Design, SPS for VCore
- 2 x DDR5 DIMMs, supports up to 6800+(OC)
- 1 PCIe 5.0 x16
- Graphics Output Options: 2 USB4 Type-C, 1 HDMI, 1 DisplayPort
- 7.1 CH HD Audio with Content Protection (Realtek ALC4082 Audio Codec), Nahimic Audio
- 1 Hyper M.2 (PCIe Gen4x4 & SATA3), 2 Hyper M.2 (PCIe Gen4x4), 3 SATA3
- 1 USB 3.2 Gen2x2 Type-C (Front), 6 USB 3.2 Gen2 Type-A (Rear), 2 USB 3.2 Gen1 (Front), 2 USB 2.0 (Front)
- Killer 2.5G LAN
- Killer 802.11ax Wi-Fi 6E + Bluetooth

Unique Feature

Superb Productivity - PCIe Gen5 (Graphic) - Dual Channel DDR5 - USB4 Thunderbolt™ 4 Type-C Ports (40 Gb/s) Rock-Solid Durability - 10+1+1 Power Phase, 105A SPS for VCore with Enlarged Heatsink Armor - Flexible Integrated I/O Shield - Nichicon 12K Black Caps (100% Japan made high quality conductive polymer capacitors) Ultrafast Connectivity - Killer 2.5G LAN, Killer 802.11ax Wi-Fi 6E Module - Killer DoubleShot™ Pro EZ Update - ASRock Auto Driver Installer EZ Troubleshooter - ASRock Post Status Checker

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 5800+ MHz (OC), 5200 MHz Natively.

BIOS

- 256Mb AMI UEFI Legal BIOS with GUI support

Graphics

- Intel Xe Graphics Architecture (Gen 12) - 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 - 2 x Intel Thunderbolt™ 4, supports HDCP 2.3 and max. resolution up to 8K 60Hz**

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

**Supports two 4K displays or one 8K display Only the CPU's embedded graphics can be displayed through Thunderbolt™ ports. If you want to display to a Thunderbolt™ monitor, please use CPU models with embedded graphics. Thunderbolt™ graphics output may not be compatible with certain Type-C monitors. Please use graphics card outputs instead.

Audio

- 7.1 CH HD Audio with Content Protection (Realtek ALC4082 Audio Codec) - Individual PCB Layers for R/L Audio Channel - Impedance Sensing on Rear Out port - Nahimic Audio

LAN

- 2.5 Gigabit LAN 10/100/1000/2500 Mb/s - Killer E3100X - Supports Killer LAN Software - Supports Killer DoubleShot™ Pro

Wireless LAN

- 802.11ax Wi-Fi 6E Module - Supports IEEE 802.11a/b/g/n/ac/ax - Supports Dual-Band 2x2 160MHz 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 - Supports Killer LAN Software - Supports Killer DoubleShot™ Pro

*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) - 15µ Gold Contact in VGA PCIe Slot (PCIE1)

*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* - 1 x Hyper M.2 Socket (M2_3, Key M), supports type 2280 PCIe Gen4x4 (64 Gb/s) mode* - 3 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 and RAID 5 for SATA storage devices - Supports RAID 0, RAID 1 and RAID 5 for M.2 NVMe storage devices

USB

- 2 x USB4 Thunderbolt™ 4 Type-C (Rear) - 1 x USB 3.2 Gen2x2 Type-C (Front) - 6 x USB 3.2 Gen2 Type-A (Rear) - 2 x USB 3.2 Gen1 (Front) - 2 x USB 2.0 (Front) * All USB ports support ESD Protection

Connector

- 1 x RGB LED Header* - 1 x Addressable LED Header** - 1 x CPU Fan Connector (4-pin)*** - 1 x CPU/Water Pump Fan Connector (4-pin) (Smart Fan Speed Control)**** - 1 x Chassis Fan Connector (4-pin)***** - 1 x 24 pin ATX Power

Connector (Hi-Density Power Connector) - 1 x 8 pin 12V Power Connector (Hi-Density Power Connector) - 1 x Front Panel Audio Connector (15µ Gold 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) - 1 x Clear CMOS Button

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

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

***CPU_FAN1 supports the fan power up to 1A (12W).

****CPU_FAN2/WP supports the fan power up to 2A (24W).

****CPU_FAN2/WP can auto detect if 3-pin or 4-pin fan is in use.

*****CHA_FAN1 supports the fan power up to 1A (12W).

Rear Panel I/O

- 2 x Antenna Ports - 1 x HDMI Port - 1 x DisplayPort 1.4 - 1 x Optical SPDIF Out Port
- 2 x USB4 Thunderbolt™ 4 Type-C Ports (40 Gb/s for USB4 protocol; 40Gb/s for Thunderbolt™ protocol)* - 6 x USB 3.2 Gen2 Type-A Ports (10 Gb/s) - 1 x RJ-45 LAN Port - 1 x Line Out Jack (Gold Audio Jack) - 1 x Microphone Input Jack (Gold Audio Jack)

*Supports USB PD 3.0 up to 9V@3A (27W) / 5V@3A (15W) charging

Software and UEFI

Software - ASRock Motherboard Utility (Phantom Gaming Tuning) - Killer Control Center - ASRock Polychrome SYNC* 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 - 2 x SATA Data Cables - 1 x ASRock WiFi 2.4/5/6 GHz Antenna - 2 x Thermal Pads for M.2 SSD - 3 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 - 10 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)

Z790 PG-ITX/TB4

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10+1+1 Phase Power Design, SPS for VCore

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

1 PCIe 5.0 x16

Graphics Output Options: 2 USB4 Type-C, 1 HDMI, 1 DisplayPort

7.1 CH HD Audio with Content Protection (Realtek ALC4082 Audio Codec), Nahimic Audio

1 Hyper M.2 (PCIe Gen4x4 & SATA3), 2 Hyper M.2 (PCIe Gen4x4), 3 SATA3

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- Dual Channel DDR5

- USB4 Thunderbolt™ 4 Type-C Ports (40 Gb/s)

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- 10+1+1 Power Phase, 105A SPS for VCore with Enlarged Heatsink Armor

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Ultrafast Connectivity

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- 2 x DDR5 DIMM Slots

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- 1 x Hyper M.2 Socket (M2_3, Key M), supports type 2280 PCIe Gen4x4 (64 Gb/s) mode*

- 3 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 and RAID 5 for SATA storage devices

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<h3>USB</h3>

<p>- 2 x USB4 Thunderbolt™ 4 Type-C (Rear)

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

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