

# ASRock B650E Taichi / AMD B650 / AM5 / 4x DDR5 DIMM / 3x M.2 / HDMI / USB-C / WiFi / EATX

**cena vč DPH:** **11030 Kč**

cena bez DPH: 9116 Kč

**Kód zboží (ID):** 5491737

**PN:** B650E-TAICHI

**Záruka:** 24 měsíců



## B650E Taichi

- Supports AMD Ryzen™ 7000 Series Processors
- 24+2+1 Phase Power Design, SPS for VCore+GT
- 4 x DDR5 DIMMs, supports up to 6400+(OC)
- 1 PCIe 5.0 x16, 1 PCIe 4.0 x16
- Graphics Output Options: 1 USB4 Type-C, 1 HDMI
- 5.1 CH HD Audio with Content Protection (Realtek ALC4082 Audio Codec), ESS SABRE9218 DAC, WIMA Audio Caps, Nahimic Audio
- 1 Blazing M.2 (PCIe Gen5x4), 2 Hyper M.2 (PCIe Gen4x4), 4 SATA3
- 1 USB4 Type-C (Rear), 1 USB 3.2 Gen2x2 Type-C (Front), 3 USB 3.2 Gen2 Type-A (Rear), 10 USB 3.2 Gen1 (8 Rear, 2 Front), 4 USB 2.0 (Front)
- Killer 2.5G LAN
- Killer 802.11ax Wi-Fi 6E + Bluetooth

## Unique Feature

Superb Productivity - PCIe Gen5 (Graphics, M.2) - Dual Channel DDR5 - USB4 Type-C Port (40 Gb/s) Rock-Solid Durability - Server-Grade Low-Loss PCB - 24+2+1 Power Phase, 105A SPS for VCore+GT with Enlarged Heatsink Armor - Flexible Integrated I/O Shield - Nichicon 12K Black Caps (100% Japan made high quality conductive polymer capacitors) Ultrafast Gaming - Killer 2.5G LAN, Killer 802.11ax Wi-Fi 6E Module - Killer DoubleShot™ Pro - ASRock Lightning Gaming Ports EZ Update - BIOS Flashback Button - ASRock Auto Driver Installer

## CPU

- Supports AMD Socket AM5 Ryzen™ 7000 Series Processors - Supports ASRock Hyper BCLK Engine

## Chipset

- AMD B650

## Memory

- Dual Channel DDR5 Memory Technology - 4 x DDR5 DIMM Slots - Supports DDR5 ECC/non-ECC, un-buffered memory up to 6400+(OC)\* - Max. capacity of system memory: 128GB - Supports Extreme Memory Profile (XMP) and EXTENDED Profiles for Overclocking (EXPO) memory modules

## BIOS

- 256Mb AMI UEFI Legal BIOS with GUI support

## Graphics

Integrated AMD RDNA™ 2 graphics (Actual support may vary by CPU) - 1 x HDMI 2.1 TMDS/FRL 8G Compatible, supports HDR, HDCP 2.3 and max. resolution up to 4K 120Hz - 1 x USB4, supports HDCP 2.3 and max. resolution up to 8K 60Hz\*

\*Only the CPU's embedded graphics can be displayed through USB4 ports. If you want to display to a Type-C monitor, please use CPU models with embedded graphics. USB4 graphics output may not be compatible with certain Type-C monitors. Please use graphics card outputs instead.

## Audio

- 5.1 CH HD Audio with Content Protection (Realtek ALC4082 Audio Codec) - WIMA Audio Capacitors (For Front Outputs) - ESS SABRE9218 DAC for Front Panel Audio (130dB SNR) - 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 E3100G - 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 PCIe 4.0 x16 Slot (PCIE2), supports x4 mode\* - 1 x Vertical M.2 Socket (Key E), supports type 2230 WiFi/BT PCIe WiFi module

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

\*If M2\_3 is occupied, PCIE2 will be disabled. Supports NVMe SSD as boot disks

## Storage

CPU: - 1 x Blazing M.2 Socket (M2\_1, Key M), supports type 2230/2242/2260/2280/22110 PCIe Gen5x4 (128 Gb/s) mode\* Chipset: - 1 x Hyper M.2 Socket (M2\_2, Key M), supports type 2280 PCIe Gen4x4 (64 Gb/s) mode\* - 1 x Hyper M.2 Socket (M2\_3, Key M), supports type 2280 PCIe Gen4x4 (64 Gb/s) mode\* ASMedia ASM1061: - 4 x SATA3 6.0 Gb/s Connectors

\*Supports NVMe SSD as boot disks Supports ASRock U.2 Kit If M2\_3 is occupied, PCIE2 will be disabled.

## RAID

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

\*Requires additional M.2 NVMe expansion cards to support RAID 10

## USB

- 1 x USB4 Type-C (Rear) - 1 x USB 3.2 Gen2x2 Type-C (Front) - 3 x USB 3.2 Gen2 Type-A (Rear) - 10 x USB 3.2 Gen1 (8 Rear, 2 Front) - 4 x USB 2.0 (Front)

\*All USB ports support ESD Protection

## Connector

- 1 x SPI TPM Header - 1 x Power LED and Speaker Header - 1 x RGB LED Header\* - 3 x Addressable LED Headers\*\* - 1 x CPU Fan Connector (4-pin)\*\*\* - 1 x CPU/Water Pump Fan Connector (4-pin) (Smart Fan Speed Control)\*\*\*\* - 6 x Chassis/Water Pump Fan Connectors (4-pin) (Smart Fan Speed Control)\*\*\*\*\* - 1 x 24 pin ATX Power Connector (Hi-Density Power Connector) - 2 x 8 pin 12V Power Connectors (Hi-Density Power Connector) - 1 x Front Panel Audio Connector (15μ Gold Audio

Connector) - 2 x USB 2.0 Headers (Support 4 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) (ReDriver) - 1 x Dr. Debug with LED - 1 x Power Button with LED - 1 x Reset Button with LED

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

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

\*\*\*CPU\_FAN1 supports the fan power up to 1A (12W).

\*\*\*\*CPU\_FAN2/WP\_3A supports the fan power up to 3A (36W).

\*\*\*\*\*CHA\_FAN1~6/WP support the fan power up to 2A (24W). CPU\_FAN2/WP\_3A and CHA\_FAN1~6/WP can auto detect if 3-pin or 4-pin fan is in use.

## Rear Panel I/O

- 2 x Antenna Ports - 1 x HDMI Port - 1 x Optical SPDIF Out Port - 1 x USB4 Type-C Port (40 Gb/s)\* - 3 x USB 3.2 Gen2 Type-A Ports (10 Gb/s) (ReDriver) (USB32\_12 are Lightning Gaming Ports. USB32\_11 supports Ultra USB Power.) - 8 x USB 3.2 Gen1 Ports (ASMedia ASM1074 hub) - 1 x RJ-45 LAN Port - 1 x Clear CMOS Button - 1 x BIOS Flashback Button - 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 (A-Tuning) - Killer Control Center - ASRock Polychrome SYNC\* UEFI - ASRock Full HD UEFI - ASRock Auto Driver Installer - ASRock Instant Flash

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

## Accessories

- 1 x User Manual - 4 x SATA Data Cables - 1 x Wireless Dongle USB Bracket - 1 x ASRock WiFi 2.4/5/6 GHz Antenna - 3 x Screws for M.2 Sockets - 1 x Standoff for M.2 Socket

## Form Factor

- EATX Form Factor: 12.0-in x 10.5-in, 30.5 cm x 26.7 cm - 8 Layer PCB

## OS

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

## Certifications

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

## <h2>B650E Taichi</h2>

<ul>

<li>Supports AMD Ryzen™ 7000 Series Processors</li>

<li>24+2+1 Phase Power Design, SPS for VCore+GT</li>

<li>4 x DDR5 DIMMs, supports up to 6400+(OC)</li>

<li>1 PCIe 5.0 x16, 1 PCIe 4.0 x16</li>

<li>Graphics Output Options: 1 USB4 Type-C, 1 HDMI</li>

<li>5.1 CH HD Audio with Content Protection (Realtek ALC4082 Audio Codec), ESS SABRE9218 DAC, WIMA Audio Caps, Nahimic Audio</li>

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<li>1 USB4 Type-C (Rear), 1 USB 3.2 Gen2x2 Type-C (Front), 3 USB 3.2 Gen2 Type-A (Rear), 10 USB 3.2 Gen1 (8 Rear, 2 Front), 4 USB 2.0 (Front)</li>

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## <h3>Unique Feature</h3>

<p>Superb Productivity

- PCIe Gen5 (Graphics, M.2)

- Dual Channel DDR5

- USB4 Type-C Port (40 Gb/s)

Rock-Solid Durability

- Server-Grade Low-Loss PCB

- 24+2+1 Power Phase, 105A SPS for VCore+GT with Enlarged Heatsink Armor

- Flexible Integrated I/O Shield

- Nichicon 12K Black Caps (100% Japan made high quality conductive polymer capacitors)

Ultrafast Gaming

- Killer 2.5G LAN, Killer

802.11ax Wi-Fi 6E Module

- Killer DoubleShot™ Pro

- ASRock Lightning Gaming Ports

EZ Update

- BIOS Flashback Button

- ASRock Auto Driver Installer</p>

## <h3>CPU</h3>

<p>- Supports AMD Socket AM5 Ryzen™ 7000 Series Processors

- Supports ASRock Hyper BCLK Engine</p>

## <h3>Chipset</h3>

<p>- AMD B650</p>

## <h3>Memory</h3>

<p>- Dual Channel DDR5 Memory Technology

- 4 x DDR5 DIMM Slots
- Supports DDR5 ECC/non-ECC, un-buffered memory up to 6400+(OC)\*
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ASMedia ASM1061:

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

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If M2\_3 is occupied, PCIE2 will be disabled.</p>

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### <h3>Software and UEFI</h3>

<p>Software

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### <h3>Certifications</h3>

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