# ASUS PROART B650-CREATOR AMD B650 Socket AM5 ATX

**Brand :** ASUS

**Product name :** PROART B650-CREATOR

**Product code:** 90MB1C40-M0EAY0

PROART B650-CREATOR
ASUS PROART B650-CREATOR. Processor manufacturer: AMD, Processor socket: Socket AM5, Compatible processor series: AMD Ryzen™ 3, AMD Ryzen™ 7, AMD Ryzen 9 7th Gen. Supported memory types: DDR5-SDRAM, Maximum internal memory: 128 GB, Memory slots type: DIMM. Supported storage drive interfaces: M.2, SATA III, Supported storage drive types: HDD & SSD, RAID levels: 0, 1, 10. Ethernet interface type: 2.5 Gigabit Ethernet, Gigabit Ethernet. Component for: PC, Motherboard form factor: ATX, Motherboard chipset family: AMD

## Processor

| | |
|---|---|
| Processor manufacturer * | AMD |
| Processor socket * | Socket AM5 |
| Compatible processor series * | AMD Ryzen™ 3, AMD Ryzen™ 7, AMD Ryzen 9 7th Gen |
| Supported processor sockets | Socket AM5 |

## Memory

| | |
|---|---|
| Supported memory types * | DDR5-SDRAM |
| Number of memory slots * | 4 |
| Memory slots type | DIMM |
| Memory channels | Dual-channel |
| ECC compatibility | ECC & Non-ECC |
| Supported memory clock speeds | 4800,5000,5200,5400,5600,5800,6000,6200,6400 MHz |
| Supported memory clock speed (max) | 6400 MHz |
| Maximum internal memory * | 128 GB |
| Unbuffered memory | ✓ |

## Storage controllers

| | |
|---|---|
| Supported storage drive types | HDD & SSD |
| Supported storage drive interfaces * | M.2, SATA III |
| RAID support | ✓ |
| RAID levels | 0, 1, 10 |

## Graphics

| | |
|---|---|
| Parallel processing technology support * | Not supported |

## Internal I/O

| | |
|---|---|
| USB 2.0 connectors * | 2 |
| USB 3.2 Gen 1 (3.1 Gen 1) connectors * | 1 |
| USB 3.2 Gen 2 (3.1 Gen 2) connectors * | 1 |
| Number of SATA III connectors * | 4 |
| Front panel audio connector | ✓ |
| ATX Power connector (24-pin) | ✓ |

## Rear panel I/O ports

| | |
|---|---|
| USB 2.0 ports quantity * | 2 |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity * | 3 |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity * | 2 |
| Ethernet LAN (RJ-45) ports * | 2 |
| HDMI ports quantity * | 1 |
| HDMI version | 2.1 |
| DisplayPorts quantity | 1 |
| DisplayPort version | 1.4 |
| Headphone outputs | 1 |
| Line-in | ✓ |
| Microphone in | ✓ |
| S/PDIF out port | ✓ |

## Network

| | |
|---|---|
| Ethernet LAN | ✓ |
| Ethernet interface type | 2.5 Gigabit Ethernet, Gigabit Ethernet |
| Wi-Fi * | ✗ |

## Features

| | |
|---|---|
| Motherboard chipset * | AMD B650 |
| Audio output channels * | 7.1 channels |
| Component for * | PC |
| Motherboard form factor * | ATX |
| Motherboard chipset family * | AMD |
| Power source type | ATX |
| Windows operating systems supported | Windows 10, Windows 11 x64 |

## Expansion slots

| | |
|---|---|
| PCI Express x4 (Gen 1.x) slots | 1 |
| PCI Express x16 (Gen 4.x) slots | 3 |
| Number of M.2 (M) slots | 3 |

## Internal I/O

| | |
|---|---|
| CPU fan connector | ✔ |
| Number of chassis fan connectors | 4 |
| EPS power connector (8-pin) | ✔ |
| Number of COM connectors | 1 |
| Thunderbolt headers | 1 |
| 12V power connector | ✔ |
| RGB LED pin header | ✔ |

## BIOS

| | |
|---|---|
| BIOS type * | UEFI AMI |
| BIOS memory size | 256 Mbit |

## Weight & dimensions

| | |
|---|---|
| Width | 305 mm |
| Depth | 244 mm |

## Packaging content

| | |
|---|---|
| Cables included | SATA |
| User guide | ✔ |

## Other features

| | |
|---|---|
| Back-to-BIOS button | ✔ |
| Number of M.2 (E) slots | 1 |

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