

ASUS ProArt B650-CREATOR - motherboard - ATX - Socket AM5 - AMD B650



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SKU	90MB1C40-M0EAY0
Product Description:	ASUS ProArt B650-CREATOR - motherboard - ATX - Socket AM5 - AMD B650
Product Type:	Motherboard - ATX
Chipset Type:	AMD B650
Processor Socket:	1 x Socket AM5
Compatible Processors:	Ryzen (supports Ryzen 7000 Series)
Max RAM Size:	128 GB
RAM Supported:	4 DIMM slots - DDR5, non-ECC, ECC, on-die ECC, unbuffered

General

Product Type:	Motherboard - ATX
Chipset Type:	AMD B650
Processor Socket:	Socket AM5
Max Processors Qty:	1
Compatible Processors:	Ryzen (supports Ryzen 7000 Series)

Supported RAM

Max Size:	128 GB
Technology:	DDR5
Bus Clock:	5400 MHz (O.C.), 5600 MHz (O.C.), 5800 MHz (O.C.), 6000 MHz (O.C.), 4800 MHz, 6200 MHz (O.C.), 6400 MHz (O.C.), 5200 MHz, 5000 MHz
Supported RAM Integrity Check:	Non-ECC, ECC, on-die ECC
Registered or Buffered:	Unbuffered
Features:	Dual channel memory architecture, AMD EXPO technology

Audio

Miscellaneous

Included Accessories:	Q-Connector, 1 x M.2 rubber package, ACC Express Activation Key Card, 2 x M.2 screw package
Cables Included:	2 x Serial ATA cable 1 x DisplayPort cable
Software Included:	ASUS CPU-Z, ASUS AI Suite III, PC Cleaner, WinRAR, ASUS ProArt Creator Hub, Norton AntiVirus (Trial), ASUS AURA Creator, ASUS Control Center Express, CreationFirst, Armoury Crate, ASUS Fan Xpert 4
Compliant Standards:	VCCI Class B ITE, JATE, WEEE, FCC Part 15 Class B, DisplayPort 1.4, EU RoHS, EU REACH
Width:	30.5 cm
Depth:	24.4 cm

Features

BIOS Type:	AMI
BIOS Features:	UEFI BIOS, ASUS EZ Flash 3
Sleep / Wake Up:	Wake on LAN (WOL), wake on PME

Audio

Type: HD Audio (8-channel)

Compliant Standards: High Definition Audio

LAN

Network Interfaces: Gigabit Ethernet, 2.5 Gigabit Ethernet

Features

Jack retasking, ASUS Q-Design, 12+2 Phase Power Design, ESD Guards, ASUS TurboV EVO, Q-DIMM, ASUS EZ DIY, Q-LED, Q-Slot, CrashFree BIOS 3, ASUS Q-Connector, audio jack detect technology, ASUS DIGI+ VRM, Preboot eXecution Environment (PXE), ASUS Stainless Steel Back I/O, LANGuard, overvoltage protection, ASUS SafeSlot, ASUS 5X Protection III, ASUS SafeDIMM, M.2 heatsink, ASUS ProCool, pre-mounted I/O shield, ASUS Aura Sync, ASUS OptiMem II, DIY Friendly Design, M.2 Q-Latch, Quick Charge 4+, VRM heatsink design, BIOS FlashBack button, BIOS FlashBack LED, ASUS Enhanced Memory Profile (AEMP), 60A Power Stage

Expansion / Connectivity

Expansion Slots: 1 x CPU ; 4 x DIMM 288-pin ; 2 x PCIe 4.0 x16 (dual x8 mode; single card: x16 mode) ; 1 x PCIe 4.0 x16 (x4 mode) ; 1 x PCIe 4.0 x1 ; 2 x M.2 socket (2242/2260/2280/22110 M.2 Key M slot) ; 1 x M.2 socket (2242/2260/2280 M.2 Key M slot) ; 1 x M.2 socket (Key E)

Storage Interfaces: SATA-600 -connectors: 4 x 7pin Serial ATA - RAID 0 / RAID 1 / RAID 10 ; PCIe 5.0 - connectors: 1 x M.2 - RAID 0 / RAID 1 / RAID 10 ; PCIe 4.0 -connectors: 2 x M.2 - RAID 0 / RAID 1 / RAID 10

RAID Features: AMD RAID Xpert2 Technology

Interfaces: 1 x HDMI ; 1 x USB-C Gen2/DisplayPort ; 1 x audio line-out - mini-jack ; 1 x microphone - mini-jack ; 1 x audio line-out (center/subwoofer) - mini-jack ; 1 x audio line-out (rear) - mini-jack ; 1 x audio line-in - mini-jack ; 1 x LAN (2.5Gigabit Ethernet) ; 1 x LAN (Gigabit Ethernet) ; 2 x USB 2.0 ; 1 x USB-C 3.2 Gen 2 ; 3 x USB 3.2 Gen 2 ; 1 x DisplayPort input ; 1 x SPDIF out

Internal Interfaces: 4 x USB 2.0 - header ; 2 x USB 3.2 Gen 1 - header ; 1 x USB-C 3.2 Gen 2x2 - header ; 1 x serial - header ; 1 x audio - header ; 1 x Thunderbolt - header

Power Connectors: 4-pin ATX12V connector, 24-pin main power connector, 8-pin ATX12V connector, 6-pin PCI Express power connector