

ASUS PRIME B650M-K - motherboard - micro ATX - Socket AM5 - AMD B650



27-05-2024

SKU	PRIME B650M-K
Product Description:	ASUS PRIME B650M-K - motherboard - micro ATX - Socket AM5 - AMD B650
Product Type:	Motherboard - micro ATX
Chipset Type:	AMD B650
Processor Socket:	1 x Socket AM5
Compatible Processors:	Ryzen (supports Ryzen 7000 Series)
Max RAM Size:	96 GB
RAM Supported:	2 DIMM slots - DDR5, non-ECC, ECC, on-die ECC, unbuffered

General

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

Supported RAM

Max Size:	96 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.), 6600 MHz (O.C.), 7000 MHz (O.C.), 6800 MHz (O.C.), 7200 MHz (O.C.), 5200 MHz, 5000 MHz, 7600 MHz (O.C.), 7800 MHz (O.C.), 8000 MHz (O.C.)
Supported RAM Integrity Check:	Non-ECC, ECC, on-die ECC
Registered or Buffered:	Unbuffered
Features:	Dual channel memory architecture, AMD EXPO technology

Manufacturer Warranty

Service & Support:	Limited warranty - 3 years
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Miscellaneous

Included Accessories:	I/O back cover, 2 x M.2 rubber package, M.2 screw package
Cables Included:	2 x Serial ATA cable
Software Included:	ASUS TurboV EVO Utility, ASUS CPU-Z, ASUS AI Suite III, PC Cleaner, WinRAR, ASUS AURA Creator, Armoury Crate, Norton 360 Deluxe (60 days trial), ASUS Fan Xpert 2+

Width:	24.4 cm
Depth:	22.1 cm

Features

BIOS Type:	AMI
BIOS Features:	BIOS FlashBack, UEFI BIOS, ASUS EZ Flash 3
Sleep / Wake Up:	Wake on PME

Audio

Type:	HD Audio (8-channel)
Compliant Standards:	High Definition Audio

LAN

Network Interfaces:	2.5 Gigabit Ethernet
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Features

Hardware Features:	Q-DIMM, ASUS EZ DIY, Q-Slot, CrashFree BIOS 3, Preboot eXecution Environment (PXE), LANGuard, 6 Layer PCB, ASUS Overvoltage Protection, overvoltage protection, AURA RGB Lighting Control, M.2 heatsink, ASUS Aura Sync, ASUS OptiMem II, ASUS SafeSlot Core+, Q-LED Core, VRM heatsink design, BIOS FlashBack button, BIOS FlashBack LED
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Expansion / Connectivity

Expansion Slots:	1 x CPU ; 2 x DIMM 288-pin ; 1 x PCIe 4.0 x16 ; 2 x PCIe 4.0 x1 ; 2 x M.2 socket (2242/2260/2280 M.2 Key M slot)
Storage Interfaces:	PCIe 4.0 -connectors: 1 x M.2 ; PCIe 5.0 -connectors: 1 x M.2 ; SATA-600 -connectors: 5 x 7pin SATA - RAID 0 / RAID 1 / RAID 10 / RAID 5
RAID Features:	AMD RAID Xpert2 Technology
Interfaces:	1 x HDMI ; 1 x VGA ; 2 x USB 3.2 Gen 2 ; 2 x USB 3.2 Gen 1 ; 4 x USB 2.0 ; 1 x LAN (2.5Gigabit Ethernet) ; 1 x PS/2 keyboard / mouse ; 1 x audio line-out/headphones - mini-jack ; 1 x microphone - mini-jack ; 1 x audio line-in - mini-jack
Internal Interfaces:	2 x USB 2.0 - header ; 1 x USB 3.2 Gen 1 - header ; 1 x USB-C 3.2 Gen 1 - header ; 1 x speaker - header ; 1 x SPDIF out - header
Power Connectors:	24-pin main power connector, 8-pin ATX12V connector

