

ASUS ROG Strix B650E-E Gaming WiFi - motherboard - ATX - Socket AM5 - AMD B650



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SKU	90MB1BBO-M0EAY0
Product Description:	ASUS ROG Strix B650E-E Gaming WiFi - 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, 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:	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, on-die ECC
Registered or Buffered:	Unbuffered
Features:	Dual channel memory architecture, AMD EXPO technology

Audio

Manufacturer Warranty

Service & Support:	Limited warranty - 1 year
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Miscellaneous

Included Accessories:	Cable ties, STRIX stickers, ROG thank you card, thermal pad for M.2 SSD, ROG key chain, ASUS Wi-Fi moving aerial, M.2 Q-Latch, 2 x M.2 rubber package
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Cables Included:	2 x Serial ATA cable
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Software Included:	ROG CPU-Z, ASUS AI Suite III, ASUS Turbo App, PC Cleaner, WinRAR, Sonic Studio Virtual Mixer, ROG GameFirst VI, AIDA64 Extreme (60 days trial), ASUS AURA Creator, Sonic Suite Companion, MyAsus, Armoury Crate, Sonic Studio III, Sonic Radar III, ASUS Fan Xpert 4
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Compliant Standards:	VCCI Class B ITE, JATE, WEEE, FCC Part 15 Class B, DisplayPort 1.4, EU RoHS, EU REACH
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Width:	30.5 cm
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Depth:	24.4 cm
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Features

BIOS Type:	AMI
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Audio

Type: HD Audio (8-channel)

Audio Codec: Realtek ALC4080

Compliant Standards: High Definition Audio, DTS Sound Unbound

LAN

Network Interfaces: 2.5 Gigabit Ethernet, 802.11a/b/g/n/ac/ax, Bluetooth 5.2

Expansion / Connectivity

Expansion Slots: 1 x CPU ; 4 x DIMM 288-pin ; 2 x PCIe 5.0 x16 ; 1 x PCIe 4.0 x16 (x4 mode) ; 3 x (2242/2260/2280 M.2 Key M slot) ; 1 x M.2 socket (2230/2242/2260/2280/22110 M.2 Key M slot)

Storage Interfaces: SATA-600 -connectors: 4 x 7pin Serial ATA - RAID 0 / RAID 1 / RAID 10 ; PCIe 5.0 -connectors: 2 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 DisplayPort ; 1 x USB-C 3.2 Gen2x2 ; 6 x USB 3.2 Gen 2 ; 1 x USB-C 3.2 Gen 2 ; 4 x USB 2.0 ; 1 x LAN (2.5Gigabit Ethernet) ; 1 x audio line-out - mini-jack ; 1 x audio line-out (rear) - mini-jack ; 1 x audio line-in - mini-jack ; 1 x audio line-out (center/subwoofer) - mini-jack ; 1 x microphone - mini-jack ; 1 x SPDIF out ; 2 x aerial

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

Power Connectors: 24-pin main power connector, 2 x 8-pin ATX12V connectors

Features

BIOS Features: UEFI BIOS, ASUS EZ Flash 3

Sleep / Wake Up: Wake on LAN (WOL), wake on PME

Hardware Features: Jack retasking, ASUS Q-Design, Q-DIMM, ASUS EZ DIY, Q-LED, Q-Slot, ASUS Extreme Engine Digi+, CrashFree BIOS 3, audio jack detect technology, 16+2 Phase Power Design, ASUS TPU (TurboV Processing Unit), ASUS DIGI+ VRM, Q-Code, Preboot eXecution Environment (PXE), 8 Layer PCB, Clear CMOS Button, LANGuard, ASUS SafeSlot, ASUS SafeDIMM, ASUS ProCool, Water Pump Header, pre-mounted I/O shield, ASUS Aura Sync, ASUS OptiMem II, DIY Friendly Design, 70A Power Stage, Savitech SV3H712 amplifier, M.2 Q-Latch, 5K Black Metallic Capacitors, PCIe Slot Q-Release, BIOS FlashBack button, BIOS FlashBack LED, ASUS Enhanced Memory Profile (AEMP)