

ASUS ROG STRIX B650-A GAMING WIFI - motherboard - ATX - Socket AM5 - AMD B650



04-06-2024

SKU	90MB1BP0-M0EAY0
Product Description:	ASUS ROG STRIX B650-A 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, 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
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:	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
Cables Included:	2 x Serial ATA cable
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
Compliant Standards:	VCCI Class B ITE, JATE, WEEE, FCC Part 15 Class B, DisplayPort 1.4, EU RoHS, UKCA, EU REACH
Width:	30.5 cm
Depth:	24.4 cm

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
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Expansion / Connectivity

Expansion Slots:	1 x CPU ; 4 x DIMM 288-pin ; 1 x PCIe 4.0 x16 ; 1 x PCIe 4.0 x16 (x4 mode) ; 2 x PCIe 4.0 x1 ; 1 x M.2 socket (2242/2260/2280/22110 M.2 Key M slot) ; 2 x M.2 socket (2242/2260/2280 M.2 Key M slot)
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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
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RAID Features:	AMD RAID Xpert Technology
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Interfaces:	1 x HDMI ; 1 x DisplayPort ; 1 x USB-C 3.2 Gen2x2 ; 3 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 ; 2 x aerial
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Internal Interfaces:	4 x USB 2.0 - header ; 2 x USB 3.2 Gen 1 - header ; 1 x USB 3.2 Gen 2 - header ; 1 x audio - header ; 1 x Thunderbolt - header ; 1 x SPDIF out - header
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Power Connectors:	4-pin ATX12V connector, 24-pin main power connector, 8-pin ATX12V connector
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Features

BIOS Features:	UEFI BIOS, ASUS EZ Flash 3
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Sleep / Wake Up:	Wake on LAN (WOL), wake on PME
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Hardware Features:	Jack retasking, ASUS Q-Design, 12+2 Phase Power Design, Q-DIMM, ASUS EZ DIY, Q-LED, Q-Slot, ASUS Extreme Engine Digi+, CrashFree BIOS 3, audio jack detect technology, ASUS TPU (TurboV Processing Unit), ASUS DIGI+ VRM, SupremeFX Shielding technology, Preboot eXecution Environment (PXE), LANGuard, 6 Layer PCB, ASUS SafeSlot, ASUS SafeDIMM, M.2 heatsink, ASUS ProCool, Water Pump Header, pre-mounted I/O shield, ASUS Aura Sync, ASUS OptiMem II, FlexKey button, Savitech SV3H712 amplifier, M.2 Q-Latch, 5K Black Metallic Capacitors, PCIe Slot Q-Release, VRM heatsink design, BIOS FlashBack button, BIOS FlashBack LED, ASUS Enhanced Memory Profile (AEMP)
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