

ASUS ROG STRIX B650-A GAMING WIFI



Artikel
Herstellernummer
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ROG STRIX B650-A GAMING WIFI

The ROG Strix B650-A Gaming WiFi comes equipped with potent performance and thermal prowess in a fresh-looking package. Robust power delivery designed to handle the latest AMD Ryzen™ 7000 Series processors is cooled with thick metal heatsinks that stand out against a black PCB. A PCIe 5.0 M.2 slot, speedy DDR5 memory support, and the latest WiFi 6E networking fleshes out the futuristic feature set.

DIY-FRIENDLY FEATURES

PCIe® SLOT Q-RELEASE

A physical button unlocks the first PCIe slot's security latch with a simple press, greatly simplifying the process of removing a PCIe card from the motherboard when it's time to upgrade to a new GPU or add-in card.

ALL-ROUND PERFORMANCE

Robust power delivery, speedy storage and RAM, and comprehensive cooling controls are core fundamentals of the ROG Strix B650-A, thoroughly preparing you for the future of gaming.

Blazing fast storage is at your command with a PCIe 5.0 and two PCIe 4.0 M.2 slots, all featuring robust heatsinks to maximize performance. Push speeds even further, create a mirrored backup, or both; NVMe and SATA RAID configurations (0/1/10) are available through AMD RAIDXpert2. The top PCIe 4.0 x16 SafeSlot supports heavy graphics cards and features Q-Release for easy upgrades.

LEADING CONNECTIVITY

The ROG Strix B650-A delivers next-gen connectivity for ultrafast data transfers and low-latency networking. An advanced audio solution allows you to pick out the smallest cues and home in on your opponents.

WiFi 6E

Onboard WiFi 6E technology takes advantage of newly available spectrum in the 6 GHz band to provide up to seven 160 MHz channels for ultrafast throughput and better performance in dense wireless environments.

*WiFi 6E availability and features are dependent on regulatory limitations and co-existence with 5 GHz WiFi.

Intel 2.5G Ethernet

Low-latency gaming, speedy file transfers, and high-resolution video streaming are among the many perks of onboard Intel® 2.5 Gbps Ethernet.

PLAY IN STYLE

Slick aesthetics and Aura Sync RGB controls let the ROG Strix B650-A shine in every build.

UNDENIABLY ROG STRIX

A bold silver and white aesthetic with a dash of RGB lighting delivers a build that looks as futuristic as its feature set. A meld of form

and function is illustrated by a cut-out I/O shield, which allows additional airflow to pass through the VRM heatsink channels below. This design encompasses the M.2 and chipset heatsinks as well, and the whole look is tied together with game-centric decals. Pair the Strix B650-A with other products from the diverse ROG ecosystem to create a fully-customized gaming setup that reflects your personal style.

SOFTWARE UTILITIES

ROG-exclusive software delivers intuitive audio tuning and gaming enhancements so you can configure your gaming build the way you want.

TWO-WAY AI NOISE CANCELATION

This utility leverages a massive deep-learning database to reduce over 5 million types of background noise from incoming or outgoing audio, helping ensure crystal-clear communication in games or calls.

THIS CHANGES EVERYTHING.

FROM THIS NEW PLATFORM, YOU CAN SEE THE FUTURE

Build your next rig with an AMD Ryzen™ 7000 Series processor and ROG Strix B650-A Gaming WiFi to experience advanced performance. With up to 16 “Zen 4” cores and 32 threads, boost clocks of up to 5.7GHz, and 80MB cache, the AMD Ryzen™ 7000 Series keeps you ahead of the game.¹

You'll also gain access to new features for gamers with AMD Socket AM5, from the speed of DDR5 memory to the increased bandwidth of PCIe® 5.0. AMD Ryzen™ 7000 Series processors and AMD socket AM5 motherboards are unlocked for overclocking to personalize your experience. Gain even more performance when you overclock your DDR5 memory with AMD EXPO™ technology.²

Zusammenfassung

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ASUS ROG STRIX B650-A GAMING WIFI, AMD, Socket AM5, AMD Ryzen™ 7, Socket AM5, DDR5-SDRAM, 128 GB

ASUS ROG STRIX B650-A GAMING WIFI. Processor manufacturer: AMD, Processor socket: Socket AM5, Compatible processor series: AMD Ryzen™ 7. 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, LAN controller: Intel I225-V, Top Wi-Fi standard: Wi-Fi 6E (802.11ax). Component for: PC, Motherboard form factor: ATX, Motherboard chipset family: AMD

Merkmale

Graphics

Parallel processing technology support	Not supported
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Packaging content

Cables included	SATA
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Weight & dimensions

Width	305 mm
Depth	244 mm

BIOS

BIOS type	UEFI AMI
BIOS memory size	256 Mbit
Clear CMOS button	Y

Expansion slots

PCI Express x1 (Gen 4.x)	2
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Storage controllers

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

Features

Motherboard chipset	AMD B650
Audio chip	Realtek ALC4080
Audio output channels	7.1 channels
Component for	PC
Motherboard form factor	ATX
Motherboard chipset family	AMD
Windows operating systems supported	Windows 11 x64

Network

Ethernet LAN	Y
Ethernet interface type	2.5 Gigabit Ethernet
LAN controller	Intel I225-V
Wi-Fi	Y
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi

slots	
PCI Express x16 (Gen 4.x) slots	1
PCI Express x16 (Gen 5.x) slots	1
Number of M.2 (M) slots	3

	4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax), Wi-Fi 6E (802.11ax)
Bluetooth	Y
Bluetooth version	5.2

Packaging data

Package width	280 mm
Package depth	265 mm
Package height	71 mm
Package weight	9 kg

Processor

Processor manufacturer	AMD
Processor socket	Socket AM5
Compatible processor series	AMD Ryzen™ 7
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	Y
Non-ECC	Y
Supported memory clock speeds	4800,5000,5200,5400,5600,5800,6000,6200,6400 MHz
Maximum internal memory	128 GB
Unbuffered memory	Y

Rear panel I/O ports

USB 2.0 ports quantity	4
USB 3.2 Gen 2 (3.1 Gen 2) Type-3 A ports quantity	
USB 3.2 Gen 2 (3.1 Gen 2) Type-1 C ports quantity	
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity	1
DisplayPorts quantity	1
Headphone outputs	3
Line-in	Y
Microphone in	Y

Internal I/O

USB 2.0 connectors	4
USB 3.2 Gen 1 (3.1 Gen 1) connectors	2
USB 3.2 Gen 2 (3.1 Gen 2) connectors	1
Number of SATA III connectors	4
S/PDIF out connector	Y
Front panel audio connector	Y
ATX Power connector (24-pin)	Y
CPU fan connector	Y
Number of chassis fan connectors	4
Chassis intrusion connector	Y
Peripheral (Molex) power connectors (4-pin)	1
EPS power connector (8-pin)	Y
Number of COM connectors	1
Thunderbolt headers	1
12V power connector	Y
RGB LED pin header	Y