

	<div>NEW</div> <div></div>	ROG STRIX B850-I GAMING WIFI
MODEL		
CPU	AMD Socket AM5 for AMD Ryzen™ 9000 & 8000 & 7000 Series Desktop Processors* * Refer to https://www.asus.com/support/download-center/ for CPU support list.	
CHIPSET	AMD B850 Chipset	
MEMORY	2 x DIMM slots, max. 96GB, DDR5 Supports up to 8400+MT/s (OC) with Ryzen™ 9000 & 8000 & 7000 Series Processors ECC and Non-ECC, Un-buffered DIMM Dual channel memory architecture Supports AMD Extended Profiles for Overclocking (EXPO™) ASUS Enhanced Memory Profile (AEMP) * Supported memory types, data rate (speed), and number of DRAM modules vary depending on the CPU and memory configuration, for more information please refer to CPU/Memory Support list under the Support tab of product information site or visit https://www.asus.com/support/download-center/ . ** Non-ECC, un-buffered DDR5 memory supports On-Die ECC function.	
GRAPHICS	1 x HDMI™ port*** 1 x USB 10Gbps ports support USB Type-C® display outputs**** * Graphics specifications may vary between CPU types. Please refer to AMD CPU specifications. *** Supports 4K@60Hz as specified in HDMI 2.1. ****Supports max. 4K@60Hz as specified in DisplayPort 1.4a ***** VGA resolution support depends on processors' or graphic cards' resolution.	
EXPANSION SLOTS	AMD Ryzen™ 9000 & 7000 Series Desktop Processors 1 x PCIe 5.0 x16 slot with Q-Release Slim AMD Ryzen™ 8000 Series Desktop Processors 1 x PCIe 4.0 x16 slot with Q-Rlease Slim - To ensure compatibility of the device installed, please refer to https://www.asus.com/support/download-center/ for the list of supported peripherals.	
	Total supports 4 x M.2 slots and 2 x SATA 6Gb/s ports	

STORAGE

AMD Ryzen™ 7000 & 9000 Series Desktop Processors
M.2_1 (Key M), type 2242/2260/2280 (supports PCIe 5.0x4 mode)
M.2_2 (Key M), type 2242/2260/2280 (supports PCIe 5.0 x4 mode)
AMD Ryzen™ 8000 Series Desktop Processors
M.2_1 (Key M), type 2242/2260/2280 (supports PCIe 4.0x4 mode)
M.2_2 (Key M), type 2242/2260/2280 (supports PCIe 4.0 x4 mode)*
* Specifications vary by CPU types.

ETHERNET

1 x Intel® 2.5Gb Ethernet
ASUS LANGuard

WIRELESS & BLUETOOTH

Wi-Fi 7*
2x2 Wi-Fi 7 (802.11be)
Supports 2.4/5/6GHz frequency band**
Supports Wi-Fi 7 160MHz bandwidth, up to 2.9Gbps transfer rate.
Bluetooth® v5.4***

*Wi-Fi features may vary depending on the operating system
For Windows 11, Wi-Fi 7 will require 24H2 or later version for full functions, Windows 11 21H2/22H2/23H2 only supports Wi-Fi 6E.
For Windows 10, only Wi-Fi 6 is supported.
** Wi-Fi 6GHz frequency band and bandwidth regulatory may vary between countries.
*** The Bluetooth® version may vary, please refer to the Wi-Fi module manufacturer's website for the latest specifications.

USB

Rear USB (Total 8 ports)
1 x USB 20Gbps port(s) (1 x USB Type-C®)
5 x USB 10Gbps port(s) (4 x Type-A + 1 x USB Type-C®)
2 x USB 2.0 port(s) (2 x Type-A)

Front USB (Total 5 ports)
1 x USB 10Gbps
1 x USB 5Gbps header(s) support(s) 2 additional USB 5Gbps ports
1 x USB 2.0 header(s) support(s) 2 additional USB 2.0 ports
USB Type-C® power delivery output: max. 5V/3A

AUDIO

ROG SupremeFX 7.1 Surround Sound High Definition Audio CODEC ALC4080*

- Impedance sense for front and rear headphone outputs
- Supports: Jack-detection, Multi-streaming, Front Panel MIC Jack-retasking
- High quality 120 dB SNR stereo playback output and 110 dB SNR recording input
- Supports up to 32-Bit/384 kHz playback on front panel

Audio Features

- SupremeFX Shielding Technology
- Savitech SV3H712 AMP
- Rear optical S/PDIF out port
- Premium audio capacitors
- Audio cover

* A chassis with an HD audio module in the front panel is required to support 7.1 Surround Sound audio output.

** The LINE OUT port on the rear panel does not support spatial audio. If you wish to use spatial audio, make sure to connect your audio output device to the audio jack on the front panel of your chassis or use a USB interface audio device.

BACK PANEL I/O PORTS

- 1 x USB 20Gbps port(s)
- 5 x USB 10Gbps port(s) (4 x Type-A + 1 x USB Type-C® with DP Alt mode)
- 2 x USB 2.0 port(s) (2 x Type-A)
- 1 x HDMI™ port
- 1 x Wi-Fi module
- 1 x Intel® 2.5Gb Ethernet port
- 3 x Audio jacks
- 1 x Optical S/PDIF out port
- 1 x BIOS FlashBack™ button
- 1 x Clear CMOS button
- 1 x FlexKey button

INTERNAL I/O CONNECTORS

Fan and Cooling Related

- 1 x 4-pin CPU Fan header
- 1 x 4-pin Extra Flow Fan header
- 1 x 4-pin AIO Pump header
- 4 x 4-pin Chassis Fan headers

Power Related

- 1 x 24-pin Main Power connector
- 1 x 8-pin +12V CPU Power connector

Storage Related

- 2 x M.2 slots (Key M)
- 2 x SATA 6Gb/s ports

USB

- 1 x USB 10Gbps connector (supports USB Type-C®)
- 1 x USB 5Gbps header supports 2 additional USB 5Gbps ports
- 1 x USB 2.0 headers support 4 additional USB 2.0 ports

Miscellaneous

- 2 x Addressable Gen 2 headers
- 1 x CPU Over voltage jumper
- 1 x Front Panel Audio header (F_AUDIO)
- 1 x 10-1 pin Front System Panel header
- 1 x Thermal Sensor header

SPECIAL FEATURES	Extreme Engine Digi+ <ul style="list-style-type: none">- 5K Black metallic capacitors
	ASUS Q-Design <ul style="list-style-type: none">- M.2 Q-Latch- M.2 Q-Slide- PCIe Slot Q-Release Slim (with PCIe SafeSlot)- Q-Antenna- Q-Dashboard- Q-DIMM- Q-LED (CPU [red], DRAM [yellow], VGA [white], Boot Device [yellow green])- Q-Slot
	ASUS Thermal Solution <ul style="list-style-type: none">- M.2 heatsink backplate- M.2 heatsink
	ASUS EZ DIY <ul style="list-style-type: none">- BIOS FlashBack™ button- BIOS FlashBack™ LED- Clear CMOS button- ProCool- Pre-mounted I/O shield- SafeSlot- SafeDIMM
SOFTWARE FEATURES	Aura Sync <ul style="list-style-type: none">- Addressable Gen 2 headers

SOFTWARE FEATURES	ROG Exclusive Software <ul style="list-style-type: none">- ROG CPU-Z- Dolby Atmos
	ASUS Exclusive Software <p>Armoury Crate</p> <ul style="list-style-type: none">- AIDA64 Extreme (60 days free trial)- Aura Creator- Aura Sync- Fan Xpert 4- GameFirst- HWiNFO- Power Saving
	ASUS DriverHub
	ASUS GlideX
BIOS	TurboV Core
	Adobe Creative Cloud (Free Trial)
	Norton 360 for Gamers (60 Days Free Trial)
	WinRAR (40 Days Free Trial)
	UEFI BIOS <p>ASUS EZ DIY</p> <ul style="list-style-type: none">- ASUS CrashFree BIOS 3- ASUS EZ Flash 3- ASUS UEFI BIOS EZ Mode- ASUS MyHotkey

BIOS	256 Mb Flash ROM, UEFI AMI BIOS
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MANAGEABILITY

WOL by PME, PXE

ACCESSORIES

- Cables**
 - 2 x SATA 6Gb/s cables
 - Miscellaneous**
 - 1 x ASUS WiFi Q-Antenna
 - 1 x Cable ties package
 - 1 x M.2 backplate Q-Latch package(s)
 - 1 x M.2 Q-Slide package
 - 1 x ROG key chain
 - 1 x ROG Strix stickers
 - 1 x M.2 backplate rubber package(s)
 - Documentation**
 - 1 x Quick start guide
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OPERATING SYSTEM

Windows 11

FORM FACTOR

Mini-ITX Form Factor
6.7 inch x 6.7 inch (17 cm x 17 cm)