

ASUS ROG STRIX B850-I GAMING WIFI AMD B850 Socket AM5 mini ITX

Brand : ASUS

Product code: 90MB1K30-M0EAY0

Product name : ROG STRIX B850-I GAMING WIFI

ROG STRIX B850-I GAMING WIFI motherboard socket AMD AM5 (AMD B850, mini-ITX, DDR5 memory, PCIe 5.0, WiFi 7, 2x M.2, Aura Sync)

ASUS ROG STRIX B850-I GAMING WIFI. Processor manufacturer: AMD, Processor socket: Socket AM5, Compatible processor series: AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series. Supported memory types: DDR5-SDRAM, Maximum internal memory: 96 GB, Memory slots type: DIMM. Supported storage drive interfaces: M.2, SATA III, Supported storage drive types: HDD & SSD. Maximum resolution: 4096 x 2160 pixels. Ethernet interface type: 2.5 Gigabit Ethernet, Top Wi-Fi standard: Wi-Fi 7 (802.11be), Wi-Fi standards: Wi-Fi 7 (802.11be)



| Processor | | Rear panel I/O ports | |
|--|---|---|----------------------|
| Processor manufacturer * | AMD | USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity * | 1 |
| Processor socket * | Socket AM5 | USB 3.2 Gen 2x2 Type-C ports quantity | 1 |
| Compatible processor series * | AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series | Ethernet LAN (RJ-45) ports * | 1 |
| Supported processor sockets | Socket AM5 | HDMI ports quantity * | 1 |
| Memory | | HDMI version | 2.1 |
| Supported memory types * | DDR5-SDRAM | Headphone outputs | 1 |
| Number of memory slots * | 2 | Line-in | ✓ |
| Memory slots type | DIMM | S/PDIF out port | ✓ |
| Memory channels | Dual-channel | Digital audio optical out | 1 |
| ECC compatibility | ECC & Non-ECC | WiFi-AP antenna jack | 2 |
| Supported memory clock speed (max) | 8400 MHz | Network | |
| Maximum internal memory * | 96 GB | Ethernet LAN | ✓ |
| Unbuffered memory | ✓ | Ethernet interface type | 2.5 Gigabit Ethernet |
| Storage controllers | | Wi-Fi * | ✓ |
| Supported storage drive types | HDD & SSD | Top Wi-Fi standard | Wi-Fi 7 (802.11be) |
| Supported storage drive interfaces * | M.2, SATA III | Wi-Fi standards | Wi-Fi 7 (802.11be) |
| Number of HDDs supported | 2 | Bluetooth | ✓ |
| Number of storage drives supported | 4 | Bluetooth version | 5.4 |
| Graphics | | Features | |
| Parallel processing technology support * | Not supported | Motherboard chipset * | AMD B850 |
| Maximum resolution | 4096 x 2160 pixels | Audio chip | Realtek ALC4080 |
| Internal I/O | | Audio output channels * | 7.1 channels |
| USB 2.0 connectors * | 1 | Product colour | Black |
| | | Component for * | PC |
| | | Motherboard form factor * | mini ITX |
| | | Motherboard chipset family * | AMD |

| Internal I/O | | Features | |
|---|---|--|------------|
| USB 3.2 Gen 1 (3.1 Gen 1) connectors * | 1 | Power source type | ATX |
| USB 3.2 Gen 2 (3.1 Gen 2) connectors * | 1 | Windows operating systems supported | Windows 11 |
| Expansion slots | | | |
| Number of SATA III connectors * | 2 | PCI Express x16 (Gen 5.x) slots | 1 |
| Front panel audio connector | ✓ | Number of M.2 (M) slots | 2 |
| Front panel connector | ✓ | 1st M.2 largest key size | 2280 |
| ATX Power connector (24-pin) | ✓ | 1st M.2 highest PCI Express generation | 5.0 |
| CPU fan connector | ✓ | 2nd M.2 largest key size | 2280 |
| Number of CPU fan connectors | 1 | 2nd M.2 highest PCI Express generation | 5.0 |
| Number of chassis fan connectors | 4 | BIOS | |
| EPS power connector (8-pin) | ✓ | BIOS type * | UEFI AMI |
| Number of EPS power connectors (8-pin) | 1 | BIOS memory size | 256 Mbit |
| Thunderbolt headers | 1 | Clear CMOS button | ✓ |
| Number of water pump connectors | 1 | Packaging data | |
| Number of temperature sensor headers | 1 | Package width | 226 mm |
| RGB LED pin header | ✓ | Package depth | 185 mm |
| Number of RGB LED pin headers | 2 | Package height | 94 mm |
| Rear panel I/O ports | | Package weight | 1.06 kg |
| USB 2.0 ports quantity * | 2 | Weight & dimensions | |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity * | 4 | Width | 170 mm |
| | | Depth | 170 mm |
| | | Packaging content | |
| | | Cables included | SATA |
| | | Antenna included | ✓ |
| | | Other features | |
| | | Weight | 1.06 kg |
| | | Quick installation guide | ✓ |



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