

ASUS ROG STRIX B850-A GAMING WIFI AMD B850 Socket AM5 ATX

Brand : ASUS

Product code: 90MB1J50-M0EAY0

Product name : ROG STRIX B850-A GAMING WIFI

ROG STRIX B850-A GAMING WIFI motherboard socket AMD AM5 (AMD B850, ATX, DDR5 memory, PCIe 5.0, WiFi 7, 3x PCIe 4.0 M.2, Aura Sync)

ASUS ROG STRIX B850-A 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: 192 GB, Memory slots type: DIMM. Supported storage drive interfaces: M.2, SATA III, Supported storage drive types: HDD & SSD, RAID levels: 0, 1, 5, 10. Maximum resolution: 7680 x 4320 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 | Ethernet LAN (RJ-45) ports * | 1 |
| Processor socket * | Socket AM5 | HDMI ports quantity * | 1 |
| Compatible processor series * | AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series | HDMI version | 2.1 |
| | | DisplayPorts quantity | 1 |
| Supported processor sockets | Socket AM5 | DisplayPort version | 1.4 |
| | | Headphone outputs | 1 |
| Memory | | Line-in | ✓ |
| Supported memory types * | DDR5-SDRAM | S/PDIF out port | ✓ |
| Number of memory slots * | 4 | Digital audio optical out | 1 |
| Memory slots type | DIMM | WiFi-AP antenna jack | 2 |
| Memory channels | Dual-channel | Network | |
| ECC compatibility | ECC & Non-ECC | Ethernet LAN | ✓ |
| Supported memory clock speed (max) | 8000 MHz | Ethernet interface type | 2.5 Gigabit Ethernet |
| Maximum internal memory * | 192 GB | Wi-Fi * | ✓ |
| Unbuffered memory | ✓ | Top Wi-Fi standard | Wi-Fi 7 (802.11be) |
| Storage controllers | | Wi-Fi standards | Wi-Fi 7 (802.11be) |
| Supported storage drive types | HDD & SSD | Bluetooth | ✓ |
| Supported storage drive interfaces * | M.2, SATA III | Bluetooth version | 5.4 |
| Number of HDDs supported | 2 | Features | |
| Number of storage drives supported | 6 | Motherboard chipset * | AMD B850 |
| RAID support | ✓ | Audio chip | Realtek ALC4080 |
| RAID levels | 0, 1, 5, 10 | Audio output channels * | 7.1 channels |
| Graphics | | Product colour | White |
| Parallel processing technology support * | Not supported | Component for * | PC |
| Maximum resolution | 7680 x 4320 pixels | Motherboard form factor * | ATX |
| | | Motherboard chipset family * | AMD |
| | | Power source type | ATX |

| Internal I/O | | Features | |
|---|---|--|------------|
| USB 2.0 connectors * | 2 | Windows operating systems supported | Windows 11 |
| USB 3.2 Gen 1 (3.1 Gen 1) connectors * | 1 | Expansion slots | |
| USB 3.2 Gen 2 (3.1 Gen 2) connectors * | 1 | PCI Express x16 (Gen 4.x) slots | 1 |
| Number of SATA III connectors * | 2 | PCI Express x16 (Gen 5.x) slots | 1 |
| Front panel audio connector | ✓ | Number of M.2 (M) slots | 4 |
| 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 | 22110 |
| Number of CPU fan connectors | 2 | 2nd M.2 highest PCI Express generation | 4.0 |
| Number of chassis fan connectors | 4 | 3rd M.2 largest key size | 2280 |
| EPS power connector (8-pin) | ✓ | 3rd M.2 highest PCI Express generation | 4.0 |
| Number of EPS power connectors (8-pin) | 2 | 4th M.2 largest key size | 2280 |
| Thunderbolt headers | 1 | 4th M.2 highest PCI Express generation | 4.0 |
| Number of water pump connectors | 1 | BIOS | |
| Number of temperature sensor headers | 1 | BIOS type * | UEFI AMI |
| RGB LED pin header | ✓ | BIOS memory size | 256 Mbit |
| Number of RGB LED pin headers | 3 | Clear CMOS button | ✓ |
| Rear panel I/O ports | | Packaging data | |
| USB 2.0 ports quantity * | 2 | Package width | 353 mm |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 4 | Package depth | 273 mm |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity * | 2 | Package height | 68 mm |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity * | 1 | Package weight | 2.04 kg |
| USB 3.2 Gen 2x2 Type-C ports quantity | 1 | Weight & dimensions | |
| | | Width | 305 mm |
| | | Depth | 244 mm |
| | | Packaging content | |
| | | Cables included | SATA |
| | | Antenna included | ✓ |
| | | Other features | |
| | | Weight | 2.04 kg |
| | | Quick installation guide | ✓ |



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