

## ASUS ROG STRIX B850-E GAMING WIFI AMD B850 Socket AM5 ATX

**Brand :** ASUS

**Product code:** 90MB1J60-M0EAY0

**Product name :** ROG STRIX B850-E GAMING WIFI

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

ASUS ROG STRIX B850-E 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: 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                                                                 | DisplayPorts quantity               | 1                  |
| Processor socket *                       | Socket AM5                                                          | DisplayPort version                 | 1.4                |
| Compatible processor series *            | AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series | Headphone outputs                   | 1                  |
|                                          |                                                                     | Line-in                             | ✓                  |
| Supported processor sockets              | Socket AM5                                                          | S/PDIF out port                     | ✓                  |
| Memory                                   |                                                                     | Digital audio optical out           | 1                  |
| Supported memory types *                 | DDR5-SDRAM                                                          | WiFi-AP antenna jack                | 2                  |
| Number of memory slots *                 | 4                                                                   | Network                             |                    |
| Memory slots type                        | DIMM                                                                | Ethernet LAN                        | ✓                  |
| Memory channels                          | Dual-channel                                                        | Ethernet interface type             | 5 Gigabit Ethernet |
| ECC compatibility                        | ECC & Non-ECC                                                       | Wi-Fi *                             | ✓                  |
| Supported memory clock speed (max)       | 8000 MHz                                                            | Top Wi-Fi standard                  | Wi-Fi 7 (802.11be) |
| Maximum internal memory *                | 192 GB                                                              | Wi-Fi standards                     | Wi-Fi 7 (802.11be) |
| Unbuffered memory                        | ✓                                                                   | Bluetooth                           | ✓                  |
| Storage controllers                      |                                                                     | Bluetooth version                   | 5.4                |
| Supported storage drive types            | HDD & SSD                                                           | Features                            |                    |
| Supported storage drive interfaces *     | M.2, SATA III                                                       | Motherboard chipset *               | AMD B850           |
| Number of HDDs supported                 | 4                                                                   | Audio chip                          | Realtek ALC4080    |
| Number of storage drives supported       | 9                                                                   | Audio output channels *             | 7.1 channels       |
| RAID support                             | ✓                                                                   | Product colour                      | Black              |
| RAID levels                              | 0, 1, 5, 10                                                         | Component for *                     | PC                 |
| Graphics                                 |                                                                     | Motherboard form factor *           | ATX                |
| Parallel processing technology support * | Not supported                                                       | Motherboard chipset family *        | AMD                |
| Maximum resolution                       | 7680 x 4320 pixels                                                  | Power source type                   | ATX                |
|                                          |                                                                     | Windows operating systems supported | Windows 11         |

| Internal I/O                                      |     | Expansion slots                        |          |
|---------------------------------------------------|-----|----------------------------------------|----------|
| USB 2.0 connectors *                              | 2   | PCI Express x16 (Gen 4.x) slots        | 1        |
| USB 3.2 Gen 1 (3.1 Gen 1) connectors *            | 1   | PCI Express x16 (Gen 5.x) slots        | 1        |
| USB 3.2 Gen 2 (3.1 Gen 2) connectors *            | 1   | Number of M.2 (M) slots                | 5        |
| Number of SATA III connectors *                   | 4   | 1st M.2 largest key size               | 2280     |
| Front panel audio connector                       | ✓   | 1st M.2 highest PCI Express generation | 5.0      |
| Front panel connector                             | ✓   | 2nd M.2 largest key size               | 22110    |
| ATX Power connector (24-pin)                      | ✓   | 2nd M.2 highest PCI Express generation | 5.0      |
| CPU fan connector                                 | ✓   | 3rd M.2 largest key size               | 2280     |
| Number of CPU fan connectors                      | 2   | 3rd M.2 highest PCI Express generation | 5.0      |
| Number of chassis fan connectors                  | 5   | 4th M.2 largest key size               | 2280     |
| EPS power connector (8-pin)                       | ✓   | 4th M.2 highest PCI Express generation | 4.0      |
| Number of EPS power connectors (8-pin)            | 2   | 5th M.2 largest key size               | 2280     |
| Number of water pump connectors                   | 1   | 5th M.2 highest PCI Express generation | 4.0      |
| Number of temperature sensor headers              | 1   |                                        |          |
| RGB LED pin header                                | ✓   | <b>BIOS</b>                            |          |
| Number of RGB LED pin headers                     | 3   | BIOS type *                            | UEFI AMI |
|                                                   |     | BIOS memory size                       | 256 Mbit |
|                                                   |     | Clear CMOS button                      | ✓        |
| Rear panel I/O ports                              |     | Packaging data                         |          |
| USB 2.0 ports quantity *                          | 4   | Package width                          | 356 mm   |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity * | 6   | Package depth                          | 281 mm   |
| USB 3.2 Gen 2x2 Type-C ports quantity             | 1   | Package height                         | 87 mm    |
| USB4 Gen 3x2 ports quantity                       | 1   | Package weight                         | 2.3 kg   |
| Ethernet LAN (RJ-45) ports *                      | 1   | <b>Weight &amp; dimensions</b>         |          |
| HDMI ports quantity *                             | 1   | Width                                  | 305 mm   |
| HDMI version                                      | 2.1 | Depth                                  | 244 mm   |
|                                                   |     | <b>Packaging content</b>               |          |
|                                                   |     | Cables included                        | SATA     |
|                                                   |     | Antenna included                       | ✓        |
|                                                   |     | <b>Other features</b>                  |          |
|                                                   |     | Quick installation guide               | ✓        |



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### **Catalog Object Cloud**



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