

## ASUS PRO WS B850M-ACE SE AMD B850 Socket AM5 micro ATX

**Brand :** ASUS

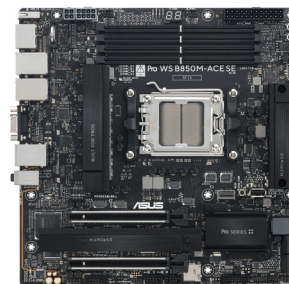
**Product code:** 90MB1MN0-M0EAY0

**Product name :** PRO WS B850M-ACE SE

Pro WS B850M-ACE SE AMD Micro-ATX motherboard, with server-grade IPMI management, PCIe 5.0 x 16, PCIe 5.0 M.2, PCIe 5.0 MCIO, U.2 connector, 10Gb and 2.5Gb Ethernet, ready for USB4

**ASUS PRO WS B850M-ACE SE AMD B850 Socket AM5 micro ATX:**

The Pro WS B850M-ACE SE empowers workstation users of all levels by maximizing the performance of the latest AMD Ryzen™ processors via 8+2+1 team power stages, DDR5 slots, PCIe® 5.0 and lightning-fast connectivity including a front USB 20Gbps Type-C® connector, plus 10Gb and 2.5Gb Ethernet. This workstation motherboard is an ideal choice for content creation, AI and deep learning, and IT management.



| Processor                                |                                                                     | Rear panel I/O ports                              |                                                             |
|------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------|-------------------------------------------------------------|
| Processor manufacturer *                 | AMD                                                                 | USB 2.0 ports quantity *                          | 2                                                           |
| Processor socket *                       | Socket AM5                                                          | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 3                                                           |
| Compatible processor series *            | AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series | USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity * | 2                                                           |
| Supported processor sockets              | Socket AM5                                                          | Ethernet LAN (RJ-45) ports *                      | 3                                                           |
| Memory                                   |                                                                     | VGA (D-Sub) ports quantity *                      | 1                                                           |
| Supported memory types *                 | DDR5-SDRAM                                                          | HDMI ports quantity *                             | 1                                                           |
| Number of memory slots *                 | 4                                                                   | HDMI version                                      | 2.1                                                         |
| Memory slots type                        | DIMM                                                                | DisplayPorts quantity                             | 1                                                           |
| Memory channels                          | Dual-channel                                                        | DisplayPort version                               | 1.4                                                         |
| ECC compatibility                        | ECC & Non-ECC                                                       | Headphone outputs                                 | 1                                                           |
| Supported memory clock speed (max)       | 8000 MHz                                                            | Line-in                                           | ✓                                                           |
| Maximum internal memory *                | 256 GB                                                              | Network                                           |                                                             |
| Unbuffered memory                        | ✓                                                                   | Ethernet LAN                                      | ✓                                                           |
| Maximum internal memory per slot         | 64 GB                                                               | Ethernet interface type                           | 2.5 Gigabit Ethernet, Gigabit Ethernet, 10 Gigabit Ethernet |
| Storage controllers                      |                                                                     | Wi-Fi *                                           | ✗                                                           |
| 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 output channels *                           | 7.1 channels                                                |
| Number of storage drives supported       | 6                                                                   | Product colour                                    | Black                                                       |
| RAID support                             | ✓                                                                   | Component for *                                   | PC                                                          |
| RAID levels                              | 0, 1, 5, 10                                                         | Motherboard form factor *                         | micro ATX                                                   |
| Graphics                                 |                                                                     | Motherboard chipset family *                      | AMD                                                         |
| Parallel processing technology support * | Not supported                                                       | Cooling type                                      | Passive                                                     |
| Maximum resolution                       | 7680 x 4320 pixels                                                  | Power source type                                 | ATX                                                         |
|                                          |                                                                     | Windows operating systems supported               | Windows 10 x64, Windows 11                                  |

| Internal I/O                                |   | Expansion slots                        |          |
|---------------------------------------------|---|----------------------------------------|----------|
| USB 2.0 connectors *                        | 3 | 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                | 2        |
| 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               | 2280     |
| ATX Power connector (24-pin)                | ✓ | 2nd M.2 highest PCI Express generation | 5.0      |
| CPU fan connector                           | ✓ | <b>BIOS</b>                            |          |
| Number of CPU fan connectors                | 1 | BIOS type *                            | UEFI AMI |
| Number of chassis fan connectors            | 3 | BIOS memory size                       | 512 Mbit |
| Chassis intrusion connector                 | ✓ | Clear CMOS button                      | ✓        |
| Peripheral (Molex) power connectors (4-pin) | 1 | <b>Packaging data</b>                  |          |
| EPS power connector (8-pin)                 | ✓ | Package width                          | 280 mm   |
| Number of EPS power connectors (8-pin)      | 1 | Package depth                          | 265 mm   |
| Number of COM connectors                    | 1 | Package height                         | 71 mm    |
| TPM connector                               | ✓ | <b>Weight &amp; dimensions</b>         |          |
| 12V power connector                         | ✓ | Width                                  | 244 mm   |
| Number of water pump connectors             | 1 | Depth                                  | 244 mm   |
|                                             |   | Height                                 | 50 mm    |
|                                             |   | <b>Packaging content</b>               |          |
|                                             |   | Cables included                        | SATA     |
|                                             |   | Screws included                        | ✓        |
|                                             |   | <b>Other features</b>                  |          |
|                                             |   | Weight                                 | 1.03 kg  |



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### **Catalog Object Cloud**



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