

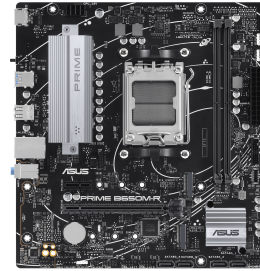
## ASUS PRIME B650M-R AMD B650 Socket AM5 micro ATX

**Brand :** ASUS

**Product code:** 90MB1H30-M0EAY0

**Product name :** PRIME B650M-R

- AM5 Socket for AMD Ryzen Desktop Processors
  - Ultrafast Connectivity: PCIe 4.0, two M.2 slots, Realtek 2.5Gb Ethernet, USB 5Gbps ports, front USB 5Gbps Type-C
  - Comprehensive Cooling: VRM heatsink, PCH heatsink, hybrid fan headers and Fan Xpert 2+
  - Aura Sync RGB Lighting: Onboard Addressable Gen 2 headers for RGB LED strips, easily synced with Aura Sync-capable hardware
  - Two-way AI Noise Cancellation: Reduces background noise from the microphone and audio output for crystal-clear communication in games or video conferences
- PRIME B650M-R Gaming Mainboard Socket AMD AM5 (microATX, DDR5, PCIe 4.0, Realtek 2.5Gb Ethernet, HDMI, SATA 6 Gbit/s, BIOS Flashback, Aura Sync)



|  |  |   |                        |
|--|--|---|------------------------|
| <b>Processor</b>                         |  | <b>Internal I/O</b>                               |                        |
| Processor manufacturer *                 | AMD  | RGB LED pin header                                | ✓                      |
| Processor socket *                       | Socket AM5   | <b>Rear panel I/O ports</b>                       |                        |
| Compatible processor series *            | AMD Ryzen 9 8th Gen, AMD Ryzen™ 3, AMD Ryzen™ 5, AMD Ryzen™ 7, AMD Ryzen 9 7th Gen | USB 2.0 ports quantity *                          | 4                      |
| Supported processor sockets              | Socket AM5   | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2                      |
| <b>Memory</b>                            |  | Ethernet LAN (RJ-45) ports *                      | 1                      |
| Supported memory types *                 | DDR5-SDRAM   | HDMI ports quantity *                             | 1                      |
| Number of memory slots *                 | 2  | Headphone outputs                                 | 1                      |
| Memory slots type                        | DIMM   | Line-in   | ✓                      |
| Memory channels                          | Dual-channel   | <b>Network</b>                                    |                        |
| Non-ECC                                  | ✓  | Ethernet LAN                                      | ✓                      |
| Supported memory clock speeds            | 4800,5000,5200,5400,5600,5800,6000,6200,6400,6600,6800,7000,7200 MHz               | Ethernet interface type                           | 2.5 Gigabit Ethernet   |
| Supported memory clock speed (max)       | 7200 MHz   | Wi-Fi *   | ✗                      |
| Maximum internal memory *                | 96 GB  | <b>Features</b>                                   |                        |
| Unbuffered memory                        | ✓  | Motherboard chipset *                             | AMD B650               |
| <b>Storage controllers</b>               |  | Audio output channels *                           | 7.1 channels           |
| Supported storage drive types            | HDD & SSD  | Product colour                                    | Black                  |
| Supported storage drive interfaces *     | M.2, SATA III  | Component for *                                   | PC                     |
| Number of HDDs supported                 | 4  | Motherboard form factor *                         | micro ATX              |
| Number of storage drives supported       | 6  | Motherboard chipset family *                      | AMD                    |
| RAID support                             | ✓  | Cooling type                                      | Passive                |
| RAID levels                              | 0, 1, 10   | Power source type                                 | ATX                    |
| <b>Graphics</b>                          |  | Windows operating systems supported               | Windows 10, Windows 11 |
| Parallel processing technology support * | Not supported  | <b>Expansion slots</b>                            |                        |
| <b>Internal I/O</b>                      |  | PCI Express x1 (Gen 4.x) slots                    | 1                      |
| USB 2.0 connectors *                     | 2  | PCI Express x16 (Gen 4.x) slots                   | 1                      |
| USB 3.2 Gen 1 (3.1 Gen 1) connectors *   | 2  | Number of M.2 (M) slots                           | 2                      |
| Number of SATA III connectors *          | 4  | <b>BIOS</b>                                       |                        |
| S/PDIF out connector                     | ✓  | BIOS type *                                       | UEFI AMI               |
| Front panel audio connector              | ✓  | BIOS memory size                                  | 256 Mbit               |
| ATX Power connector (24-pin)             | ✓  |   |                        |

| Internal I/O                     |   | Packaging data                 |         |
|----------------------------------|---|--------------------------------|---------|
| CPU fan connector                | ✓ | Package width                  | 260 mm  |
| Number of chassis fan connectors | 2 | Package depth                  | 270 mm  |
| EPS power connector (8-pin)      | ✓ | Package height                 | 51.5 mm |
| Number of COM connectors         | 1 | Package weight                 | 855 g   |
| TPM connector                    | ✓ | <b>Weight &amp; dimensions</b> |         |
| 12V power connector              | ✓ | Width                          | 236 mm  |
|                                  |   | Depth                          | 221 mm  |
|                                  |   | <b>Packaging content</b>       |         |
|                                  |   | Cables included                | SATA    |
|                                  |   | User guide                     | ✓       |
|                                  |   | <b>Other features</b>          |         |
|                                  |   | Back-to-BIOS button            | ✓       |



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