



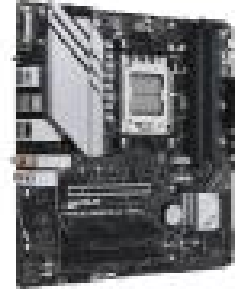
ASUS PRIME B650M-A WIFI II AMD B650 Socket AM5 micro ATX

Brand : ASUS

Product code: 90MB1EG0-M0EAY0

Product name : PRIME B650M-A WIFI II

- AMD AM5 Socket: Ready for AMD Ryzen™ 7000 Series Desktop Processors
 - Ultrafast Connectivity: Wi-Fi 6, M.2 PCIe 5.0, Realtek 2.5Gb Ethernet, USB 3.2 Gen 2 ports, front USB 3.2 Gen 1 Type-C®
 - ASUS OptiMem II: Careful routing of traces and vias, plus ground layer optimizations to preserve signal integrity for improved memory overclocking
 - Comprehensive Cooling: VRM heatsink, PCH heatsink, hybrid fan headers and Fan Xpert 2+
 - Aura Sync RGB Lighting: Onboard Addressable Gen 2 headers and Aura RGB header for RGB LED strips, easily synced with Aura Sync-capable hardware
- AMD B650 Micro-ATX motherboard, DDR5, PCIe 5.0 M.2 support, Realtek 2.5Gb Ethernet, Wi-Fi 6, DisplayPort, VGA, HDMI®, SATA 6 Gbps, USB 3.2 Gen 2 ports, front USB 3.2 Gen 1 Type-C®, BIOS FlashBack™, Arua Sync



| Processor | | Rear panel I/O ports | |
|--|--|---|--|
| Processor manufacturer * | AMD | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2 |
| Processor socket * | Socket AM5 | USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity * | 2 |
| Compatible processor series * | AMD Ryzen™ 7 | Ethernet LAN (RJ-45) ports * | 1 |
| Memory | | VGA (D-Sub) ports quantity * | 1 |
| Supported memory types * | DDR5-SDRAM | HDMI ports quantity * | 1 |
| Number of memory slots * | 4 | DisplayPorts quantity | 1 |
| Memory slots type | DIMM | Headphone outputs | 1 |
| Memory channels | Dual-channel | Line-in | ✓ |
| ECC compatibility | ECC & Non-ECC | Microphone in | ✓ |
| Supported memory clock speeds | 4800,5000,5200,5400,5600,5800,6000,6200,6400 MHz | USB connector type | USB Type-A |
| Maximum internal memory * | 128 GB | Network | |
| Unbuffered memory | ✓ | Ethernet LAN | ✓ |
| Storage controllers | | Ethernet interface type | 2.5 Gigabit Ethernet |
| Supported storage drive types | HDD & SSD | Wi-Fi * | ✓ |
| Supported storage drive interfaces * | M.2, PCI Express 4.0, PCI Express 5.0, SATA | Top Wi-Fi standard | Wi-Fi 6 (802.11ax) |
| Number of HDDs supported | 4 | Wi-Fi standards | 802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax) |
| Number of storage drives supported | 2 | Bluetooth | ✓ |
| RAID support | ✓ | Bluetooth version | 5.2 |
| RAID levels | 0, 1, 10 | Features | |
| Internal I/O | | Motherboard chipset * | AMD B650 |
| USB 2.0 connectors * | 2 | Audio output channels * | 7.1 channels |
| USB 3.2 Gen 1 (3.1 Gen 1) connectors * | 2 | Component for * | PC |
| Number of SATA connectors | 4 | Motherboard form factor * | micro ATX |
| Total number of SATA connectors | 4 | Motherboard chipset family * | AMD |
| S/PDIF out connector | ✓ | Power source type | ATX |
| Audio connector | ✓ | Windows operating systems supported | Windows 10, Windows 11 |
| Front panel connector | ✓ | Expansion slots | |
| ATX Power connector (24-pin) | ✓ | PCI Express x16 (Gen 4.x) slots | 3 |
| Power fan connector | ✓ | | |
| CPU fan connector | ✓ | | |
| Number of chassis fan connectors | 3 | | |

| Internal I/O | | BIOS | |
|---|---|--------------------------------|---|
| Peripheral (Molex) power connectors (4-pin) | 4 | BIOS type * | UEFI AMI |
| EPS power connector (8-pin) | ✓ | BIOS memory size | 256 Mbit |
| Number of COM connectors | 1 | Clear CMOS button | ✓ |
| TPM connector | ✓ | Weight & dimensions | |
| 12V power connector | ✓ | Width | 244 mm |
| RGB LED pin header | ✓ | Depth | 244 mm |
| Rear panel I/O ports | | Packaging content | |
| USB 2.0 ports quantity * | 4 | Cables included | SATA |
| | | Bundled software | ASUS Exclusive Software Armoury Crate - Aura Creator - Aura Sync - Fan Xpert 2+ - Power Saving AI Suite 3 - TurboV EVO - DIGI+ VRM - PC Cleaner ASUS CPU-Z MyASUS Norton Anti-virus software (Free Trial version) WinRAR UEFI BIOS ASUS EZ DIY - ASUS CrashFree BIOS 3 - ASUS EZ Flash 3 - ASUS UEFI BIOS EZ Mode |



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