

## 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	✓		
Audio connector	✓		

Internal I/O		Features	
Front panel connector	✓	Power source type	ATX
ATX Power connector (24-pin)	✓	Windows operating systems supported	Windows 10, Windows 11
Power fan connector	✓	Expansion slots	
CPU fan connector	✓	PCI Express x16 (Gen 4.x) slots	3
Number of chassis fan connectors	3	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



4711387034934

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.

Publication date: 23-JAN-2025. Prints or copies of Information are only valid on the printed Publication date