



## 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 2.0 ports quantity *	4
Processor socket *	Socket AM5	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Compatible processor series *	AMD Ryzen™ 7	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
Memory		Ethernet LAN (RJ-45) ports *	1
Supported memory types *	DDR5-SDRAM	VGA (D-Sub) ports quantity *	1
Number of memory slots *	4	HDMI ports quantity *	1
Memory slots type	DIMM	DisplayPorts quantity	1
Memory channels	Dual-channel	Headphone outputs	1
ECC	✓	Line-in	✓
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	✓		
ATX Power connector (24-pin)	✓		
Power fan connector	✓		
CPU fan connector	✓		

Internal I/O		Expansion slots	
Number of chassis fan connectors	3	PCI Express x16 (Gen 4.x) slots	3
Peripheral (Molex) power connectors (4-pin)	4	<b>BIOS</b>	
EPS power connector (8-pin)	✓	BIOS type *	UEFI AMI
Number of COM connectors	1	BIOS memory size	256 Mbit
TPM connector	✓	Clear CMOS button	✓
12V power connector	✓	<b>Weight &amp; dimensions</b>	
RGB LED pin header	✓	Width	244 mm
		Depth	244 mm
		<b>Packaging content</b>	
		Cables included	SATA
			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
		Bundled software	



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