

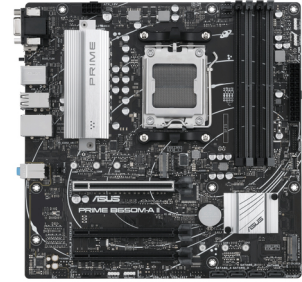
## ASUS PRIME B650M-A II AMD B650 Socket AM5 micro ATX

**Brand :** ASUS

**Product code:** 90MB1EH0-M0EAY0

**Product name :** PRIME B650M-A II

- AMD AM5 Socket: Ready for AMD Ryzen™ 7000 Series Desktop Processors
  - Ultrafast Connectivity: 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 with DDR5, PCIe 5.0 M.2, 2.5Gb Ethernet, DisplayPort, HDMI®, VGA, rear USB 3.2 Gen 2, front USB 3.2 Gen 1 Type-C®, BIOS FlashBack™, Arua Sync



Processor		Internal I/O	
Processor manufacturer *	AMD	Number of COM connectors	1
Processor socket *	Socket AM5	TPM connector	✓
Compatible processor series *	AMD Ryzen™ 7	12V power connector	✓
Memory		RGB LED pin header	✓
Supported memory types *	DDR5-SDRAM	Rear panel I/O ports	
Number of memory slots *	4	USB 2.0 ports quantity *	4
Memory slots type	DIMM	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Memory channels	Dual-channel	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
ECC compatibility	ECC & Non-ECC	Ethernet LAN (RJ-45) ports *	1
Supported memory clock speeds	4800,5000,5200,5400,5600,5800,6000,6200,6400 MHz	VGA (D-Sub) ports quantity *	1
Supported memory clock speed (max)	6400 MHz	HDMI ports quantity *	1
Maximum internal memory *	128 GB	DisplayPorts quantity	1
Unbuffered memory	✓	Headphone outputs	1
Storage controllers		Line-in	✓
Supported storage drive interfaces *	M.2, PCI Express 4.0, PCI Express 5.0, SATA	Microphone in	✓
Number of HDDs supported	4	USB connector type	USB Type-A
Number of storage drives supported	2	Network	
RAID support	✓	Ethernet LAN	✓
RAID levels	0, 1, 10	Ethernet interface type	2.5 Gigabit Ethernet
Internal I/O		Wi-Fi *	✗
USB 2.0 connectors *	2	Features	
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	Motherboard chipset *	AMD B650
Number of SATA connectors	4	Audio output channels *	7.1 channels
S/PDIF out connector	✓	Component for *	PC
Audio connector	✓	Motherboard form factor *	micro ATX
Front panel connector	✓		

Internal I/O		Features	
ATX Power connector (24-pin)	✓	Motherboard chipset family *	AMD
Number of EATX power connectors	1	Windows operating systems supported	Windows 10, Windows 11
Power fan connector	✓	<b>Expansion slots</b>	
CPU fan connector	✓	PCI Express x16 (Gen 4.x) slots	3
Number of chassis fan connectors	3	<b>BIOS</b>	
Peripheral (Molex) power connectors (4-pin)	4	BIOS type *	UEFI
EPS power connector (8-pin)	✓	BIOS memory size	256 Mbit
		<b>Weight &amp; dimensions</b>	
		Width	244 mm
		Depth	244 mm
		<b>Packaging content</b>	
		Cables included	SATA



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