



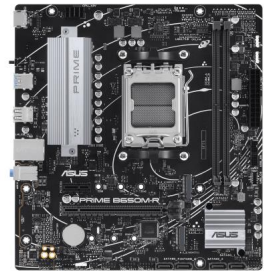
# ASUS PRIME B650M-R AMD B650 Socket AM5 micro ATX

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)



Processor		Internal I/O	
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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