

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

Brand : ASUS

Product code: 90MB1C00-M0EAY0

Product name : PRIME B650M-A WIFI

- 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, AM5, 4 x DIMM, Max. 128GB, DDR5, Realtek 2.5Gb Ethernet, Wi-Fi 6, 256 Mb Flash ROM, UEFI AMI BIOS, mATX



Processor		Rear panel I/O ports	
Processor manufacturer *	AMD	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
Processor socket *	Socket AM5	Ethernet LAN (RJ-45) ports *	1
Compatible processor series *	AMD Ryzen 7000 Series	PS/2 ports quantity	1
Supported processor sockets	Socket AM5	VGA (D-Sub) ports quantity *	1
Memory		HDMI ports quantity *	1
Supported memory types *	DDR5-SDRAM	DisplayPorts quantity	1
Number of memory slots *	4	Line-in	✓
Memory slots type	DIMM	Microphone in	✓
Memory channels	Dual-channel	Network	
ECC compatibility	ECC & Non-ECC	Ethernet LAN	✓
Supported memory clock speeds	4800,5000,5200,5400,5600,5800,6000,6200,6400 MHz	Ethernet interface type	2.5 Gigabit Ethernet, Fast Ethernet, Gigabit Ethernet
Unbuffered memory	✓	Wi-Fi *	✓
Storage controllers		Top Wi-Fi standard	Wi-Fi 6 (802.11ax)
Supported storage drive types	HDD & SSD	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)
Supported storage drive interfaces *	M.2, SATA III	Bluetooth	✓
Number of storage drives supported	6	Bluetooth version	5.2
RAID support	✓	Features	
RAID levels	0, 1, 10	Motherboard chipset *	AMD B650
Internal I/O		Audio output channels *	7.1 channels
USB 2.0 connectors *	2	Component for *	PC
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	Motherboard form factor *	micro ATX
Number of SATA III connectors *	4	Motherboard chipset family *	AMD
S/PDIF out connector	✓	Windows operating systems supported	Windows 10 x64, Windows 11 x64
Front panel audio connector	✓		
ATX Power connector (24-pin)	✓		
CPU fan connector	✓		
Number of chassis fan connectors	3		

Internal I/O		Expansion slots	
EPS power connector (8-pin)	✓	PCI Express x16 (Gen 4.x) slots	3
Number of COM connectors	1	Number of M.2 (M) slots	2
TPM connector	✓	BIOS	
RGB LED pin header	✓	BIOS type *	UEFI AMI
Rear panel I/O ports		BIOS memory size	256 Mbit
USB 2.0 ports quantity *	4	Packaging data	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Package width	280 mm
		Package depth	265 mm
		Package height	71 mm
		Package weight	1.34 kg
		Weight & dimensions	
		Width	244 mm
		Depth	244 mm
		Height	50 mm
		Other features	
		Weight	700 g



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