

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

**Brand :** ASUS

**Product code:** 90MB1F60-M0EAY0

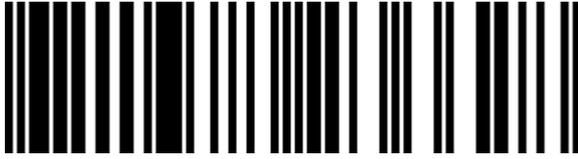
**Product name :** PRIME B650M-K

- 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, M.2 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, HDMI, VGA, rear USB 3.2 Gen 2, front USB 3.2 Gen 1 Type-C, BIOS FlashBack, Aura Sync



<b>Processor</b>		<b>Internal I/O</b>	
Processor manufacturer *	AMD	12V power connector	✓
Processor socket *	Socket AM5	RGB LED pin header	✓
Compatible processor series *	AMD Ryzen 7000 Series	<b>Rear panel I/O ports</b>	
Supported processor sockets	Socket AM5	USB 2.0 ports quantity *	4
<b>Memory</b>		USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Supported memory types *	DDR5-SDRAM	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
Number of memory slots *	2	Ethernet LAN (RJ-45) ports *	1
Memory slots type	DIMM	PS/2 ports quantity	1
Memory channels	Dual-channel	VGA (D-Sub) ports quantity *	1
ECC compatibility	ECC & Non-ECC	HDMI ports quantity *	1
Supported memory clock speeds	4800,5000,5200,5400,5600,5800,6000,6200,6400 MHz	Headphone outputs	1
Supported memory clock speed (max)	6400 MHz	Line-in	✓
Maximum internal memory *	96 GB	Microphone in	✓
Unbuffered memory	✓	<b>Network</b>	
<b>Storage controllers</b>		Ethernet LAN	✓
Supported storage drive types	HDD & SSD	Ethernet interface type	2.5 Gigabit Ethernet
Supported storage drive interfaces *	M.2, SATA III	Wi-Fi *	✗
Number of HDDs supported	4	<b>Features</b>	
Number of storage drives supported	6	Motherboard chipset *	AMD B650
RAID support	✓	Audio output channels *	7.1 channels
RAID levels	0, 1, 10	Component for *	PC
<b>Graphics</b>		Motherboard form factor *	micro ATX
Parallel processing technology support *	Not supported	Motherboard chipset family *	AMD
<b>Internal I/O</b>		Windows operating systems supported	Windows 10 x64, Windows 11
USB 2.0 connectors *	2		
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2		

Internal I/O		Expansion slots	
Number of SATA III connectors *	4	PCI Express x1 (Gen 4.x) slots	2
S/PDIF out connector	✓	PCI Express x16 (Gen 4.x) slots	2
Audio connector	✓	Number of M.2 (M) slots	2
Front panel audio connector	✓	<b>BIOS</b>	
ATX Power connector (24-pin)	✓	BIOS type *	UEFI AMI
CPU fan connector	✓	BIOS memory size	256 Mbit
Number of chassis fan connectors	2	<b>Packaging data</b>	
EPS power connector (8-pin)	✓	Package width	260 mm
Number of COM connectors	1	Package depth	270 mm
TPM connector	✓	Package height	51.5 mm
		Package weight	1.07 kg
		<b>Weight &amp; dimensions</b>	
		Width	244 mm
		Depth	221 mm
		<b>Packaging content</b>	
		Cables included	SATA



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