

## ASUS TUF GAMING B650-E WIFI AMD B650 Socket AM5 ATX

**Brand :** ASUS

**Product code:** 90MB1GT0-M0EAY0

**Product name :** TUF GAMING B650-E WIFI

AM5 Socket, AMD B650, 4 x DIMM, Max. 192GB, DDR5 8000+  
ASUS TUF GAMING B650-E WIFI. Processor manufacturer: AMD, Processor socket: Socket AM5, Supported processor sockets: Socket AM5. Supported memory types: DDR5-SDRAM, Maximum internal memory: 192 GB, Memory slots type: DIMM. Supported storage drive interfaces: M.2, SATA III, Supported storage drive types: HDD & SSD, RAID levels: 0, 1, 10. Ethernet interface type: 2.5 Gigabit Ethernet, Top Wi-Fi standard: Wi-Fi 6E (802.11ax), Wi-Fi standards: 802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax), Wi-Fi 6E.... Component for: PC, Motherboard form factor: ATX, Motherboard chipset family: AMD



Processor		Internal I/O	
Processor manufacturer *	AMD	RGB LED pin header	✓
Processor socket *	Socket AM5	<b>Rear panel I/O ports</b>	
Supported processor sockets	Socket AM5	USB 2.0 ports quantity *	3
<b>Memory</b>		USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
Supported memory types *	DDR5-SDRAM	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	1
Number of memory slots *	4	Ethernet LAN (RJ-45) ports *	1
Memory slots type	DIMM	HDMI ports quantity *	1
Memory channels	Dual-channel	DisplayPorts quantity	1
ECC compatibility	ECC & Non-ECC	Microphone in	✓
Supported memory clock speeds	8000,7800,7600,7200,7000,6800,6600,6400,6200,6000,5800,5600,5400,5200,5000,4800 MHz	WiFi-AP antenna jack	1
Supported memory clock speed (max)	8000 MHz	<b>Network</b>	
Maximum internal memory *	192 GB	Ethernet LAN	✓
Unbuffered memory	✓	Ethernet interface type	2.5 Gigabit Ethernet
<b>Storage controllers</b>		Wi-Fi *	✓
Supported storage drive types	HDD & SSD	Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Supported storage drive interfaces *	M.2, SATA III	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax), Wi-Fi 6E (802.11ax)
Number of HDDs supported	4	Bluetooth	✓
Number of storage drives supported	7	Bluetooth version	5.3
RAID support	✓	<b>Features</b>	
RAID levels	0, 1, 10	Motherboard chipset *	AMD B650
<b>Graphics</b>		Audio output channels *	7.1 channels
Parallel processing technology support *	Not supported	Product colour	Black
On-board graphics card	✗	Component for *	PC
<b>Internal I/O</b>		Motherboard form factor *	ATX
USB 2.0 connectors *	2		
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1		
USB 3.2 Gen 2x2 connectors	1		
Number of SATA III connectors *	4		
Front panel audio connector	✓		

Internal I/O		Features	
ATX Power connector (24-pin)	✓	Motherboard chipset family *	AMD
CPU fan connector	✓	Windows operating systems supported	Windows 10 x64, Windows 11
Number of chassis fan connectors	4	<b>Expansion slots</b>	
Peripheral (Molex) power connectors (4-pin)	1	PCI Express x1 (Gen 4.x) slots	1
EPS power connector (8-pin)	✓	PCI Express x16 (Gen 4.x) slots	3
Number of COM connectors	1	Number of M.2 (M) slots	3
12V power connector	✓	<b>BIOS</b>	
		BIOS type *	UEFI AMI
		BIOS memory size	256 Mbit
		<b>Packaging data</b>	
		Package width	338 mm
		Package depth	273 mm
		Package height	68 mm
		Package weight	1.36 kg
		<b>Weight &amp; dimensions</b>	
		Width	305 mm
		Depth	244 mm



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