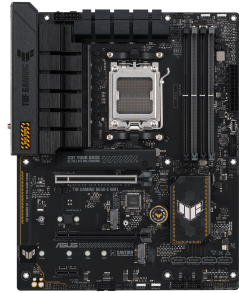# ASUS TUF GAMING B650-E WIFI AMD B650 Socket AM5 ATX

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

Processor manufacturer *	AMD
Processor socket *	Socket AM5
Supported processor sockets	Socket AM5

Memory

Supported memory types *	DDR5-SDRAM
Number of memory slots *	4
Memory slots type	DIMM
Memory channels	Dual-channel
ECC	✓
Non-ECC	✓
Supported memory clock speeds	8000,7800,7600,7200,7000,6800,6600,6400,6200,6000,5800,5600,5400,5200,5000,4800 MHz
Supported memory clock speed (max)	8000 MHz
Maximum internal memory *	192 GB
Unbuffered memory	✓

Storage controllers

Supported storage drive types	HDD & SSD
Supported storage drive interfaces *	M.2, SATA III
Number of HDDs supported	4
Number of storage drives supported	7
RAID support	✓
RAID levels	0, 1, 10

Graphics

Parallel processing technology support *	Not supported

Internal I/O

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	✓
ATX Power connector (24-pin)	✓
CPU fan connector	✓
Number of chassis fan connectors	4
Peripheral (Molex) power connectors (4-pin)	1

Internal I/O

12V power connector	✓
RGB LED pin header	✓

Rear panel I/O ports

USB 2.0 ports quantity *	3
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	1
Ethernet LAN (RJ-45) ports *	1
HDMI ports quantity *	1
DisplayPorts quantity	1
Microphone in	✓
WiFi-AP antenna jack	1

Network

Ethernet LAN	✓
Ethernet interface type	2.5 Gigabit Ethernet
Wi-Fi *	✓
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 (802.11ax)
Bluetooth	✓
Bluetooth version	5.3

Features

Motherboard chipset *	AMD B650
Audio output channels *	7.1 channels
Component for *	PC
Motherboard form factor *	ATX
Motherboard chipset family *	AMD
Windows operating systems supported	Windows 10 x64, Windows 11

Internal I/O

EPS power connector (8-pin)	✔
Number of COM connectors	1

Expansion slots

PCI Express x1 (Gen 4.x) slots	1
PCI Express x16 (Gen 4.x) slots	3
Number of M.2 (M) slots	3

BIOS

BIOS type *	UEFI AMI
BIOS memory size	256 Mbit

Packaging data

Package width	338 mm
Package depth	273 mm
Package height	68 mm
Package weight	1.36 kg

Weight & dimensions

Width	305 mm
Depth	244 mm

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