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ASUS TUF GAMING B550M-E AMD B550 Socket AM4 micro ATX

Brand : ASUS   **Product code:** 90MB17U0-M0EAY0

Product name : TUF GAMING B550M-E

- AMD AM4 Socket: Ready for Ryzen™ 5000 Series/ 4000 G-Series/ 3000 Series Desktop Processors
- Enhanced Power Solution: Alloy Chokes, military-grade TUF components, and DIGI+ VRM for maximum durability
- Comprehensive Cooling: Large VRM heatsink, M.2 heatsink, PCH fanless heatsink, hybrid fan headers, and Fan Xpert 2+ utility
- Ultrafast Connectivity: Dual M.2, PCIe 4.0, USB 3.2 Gen 2 Type-A, and front USB 3.2 Gen 1 Type-C® support
- Made for Online Gaming: 1 Gb Ethernet, TUF LANGuard and Turbo LAN technology
- Aura Sync RGB Lighting: Onboard addressable Gen 2 headers and RGB headers for RGB LED strips, easily synced with Aura Sync-capable hardware

microATX, AMD B550 chipset, Socket AM4, 4xDDR4 DIMM slots, 7.1ch audio, Gigabit LAN

Processor

Processor manufacturer *	AMD
Processor socket *	Socket AM4
Compatible processor series *	AMD Ryzen™ 3, AMD Ryzen™ 5, AMD Ryzen™ 7, 3rd Generation AMD Ryzen™ 9, AMD Ryzen 9 5th Gen
Supported processor sockets	Socket AM4

Memory

Supported memory types *	DDR4-SDRAM
Number of memory slots *	4
Memory slots type	DIMM
Memory channels	Dual-channel
ECC	✓
Supported memory clock speeds	2133,2400,2666,2800,2933,3000,3200,3333,3400,3466,3600,3733,3866,4000,4100,4133,4200,4266,4333,4400,4466,4600,4800 MHz
Maximum internal memory *	128 GB
Unbuffered memory	✓

Storage controllers

Supported storage drive types	HDD & SSD
Supported storage drive interfaces *	M.2, PCI Express 3.0, SATA III
Number of storage drives supported	6
RAID levels	0, 1, 10

Graphics

Parallel processing technology support *	Not supported
Maximum resolution	3840 x 2160 pixels

Internal I/O

USB 2.0 connectors *	2
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2
Number of SATA III connectors *	4
S/PDIF out connector	✓
Front panel audio connector	✓
ATX Power connector (24-pin)	✓
CPU fan connector	✓
Number of chassis fan connectors	2
EPS power connector (8-pin)	✓
Number of COM connectors	1

Rear panel I/O ports

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
Ethernet LAN (RJ-45) ports *	1
PS/2 ports quantity	1
VGA (D-Sub) ports quantity *	1
HDMI ports quantity *	1
HDMI version	2.1
DisplayPorts quantity	1
DisplayPort version	1.2
Headphone outputs	3
Microphone in	✓
USB connector type	USB Type-A

Network

Ethernet LAN	✓
Ethernet interface type	Gigabit Ethernet
Wake-on-LAN ready	✓
Wi-Fi *	✗

Features

Motherboard chipset *	AMD B550
Audio chip	Realtek ALC887 / Realtek ALC897
Audio output channels *	7.1 channels
Component for *	PC
Motherboard form factor *	micro ATX
Motherboard chipset family *	AMD
Windows operating systems supported	Windows 10 x64

Expansion slots

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

Internal I/O

TPM connector	✔
12V power connector	✔
RGB LED pin header	✔

Rear panel I/O ports

USB 2.0 ports quantity *	2

Expansion slots

Number of M.2 (M) slots	2

BIOS

BIOS type *	UEFI AMI
BIOS memory size	256 Mbit
Clear CMOS jumper	✔

Logistics data

Harmonized System (HS) code	84733020

Weight & dimensions

Width	244 mm
Depth	244 mm

Packaging content

Cables included	SATA
Drivers included	✔

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