

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 | Rear panel I/O ports | |
| Supported processor sockets | Socket AM5 | USB 2.0 ports quantity * | 3 |
| Memory | | 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 | Network | |
| Maximum internal memory * | 192 GB | Ethernet LAN | ✓ |
| Unbuffered memory | ✓ | Ethernet interface type | 2.5 Gigabit Ethernet |
| Storage controllers | | 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 | ✓ | Features | |
| RAID levels | 0, 1, 10 | Motherboard chipset * | AMD B650 |
| Graphics | | Audio output channels * | 7.1 channels |
| Parallel processing technology support * | Not supported | Product colour | Black |
| On-board graphics card | ✗ | Component for * | PC |
| Internal I/O | | 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 | Expansion slots | |
| 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 | ✓ | 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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