

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

**Brand :** ASUS

**Product code:** 90MB1BZ0-M0EAY0

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

AMD B650, AM5, 4 x DIMM, Max. 128GB, DDR5, Realtek 2.5Gb Ethernet, Wi-Fi 6, 256 Mb Flash ROM, UEFI AMI BIOS, ATX

ASUS TUF GAMING B650-PLUS WIFI. Processor manufacturer: AMD, Processor socket: Socket AM5, Compatible processor series: AMD Ryzen 7000 Series. Supported memory types: DDR5-SDRAM, Maximum internal memory: 128 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 6 (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). Component for: PC, Motherboard form factor: ATX, Motherboard chipset family: AMD



### Processor

|                               |                       |
|-------------------------------|-----------------------|
| Processor manufacturer *      | AMD                   |
| Processor socket *            | Socket AM5            |
| Compatible processor series * | AMD Ryzen 7000 Series |
| 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 compatibility             | ECC & Non-ECC                                                         |
| Supported memory clock speeds | 4800,5000,5200,5400,5600,5800,6000,6200,6400,6600,6800,7000,7200,7600 |
| Maximum internal memory *     | 128 GB                                                                |
| Unbuffered memory             | ✓                                                                     |

### Storage controllers

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

### Graphics

|                                          |               |
|------------------------------------------|---------------|
| Parallel processing technology support * | Not supported |
| On-board graphics card                   | ✗             |

### 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 |
| Front panel audio connector            | ✓ |
| ATX Power connector (24-pin)           | ✓ |

### Rear panel I/O ports

|                                                   |   |
|---------------------------------------------------|---|
| USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity * | 1 |
| USB 3.2 Gen 2x2 Type-C ports quantity             | 1 |
| Ethernet LAN (RJ-45) ports *                      | 1 |
| HDMI ports quantity *                             | 1 |
| DisplayPorts quantity                             | 1 |
| Headphone outputs                                 | 1 |
| Line-in                                           | ✓ |
| Microphone in                                     | ✓ |
| S/PDIF out port                                   | ✗ |

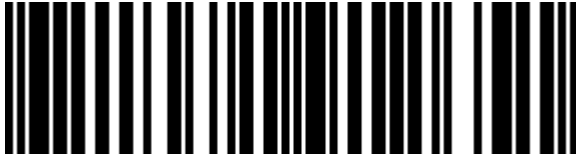
### Network

|                         |                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------|
| Ethernet LAN            | ✓                                                                                    |
| Ethernet interface type | 2.5 Gigabit Ethernet                                                                 |
| Wi-Fi *                 | ✓                                                                                    |
| Top Wi-Fi standard      | Wi-Fi 6 (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) |
| Bluetooth               | ✓                                                                                    |
| Bluetooth version       | 5.2                                                                                  |

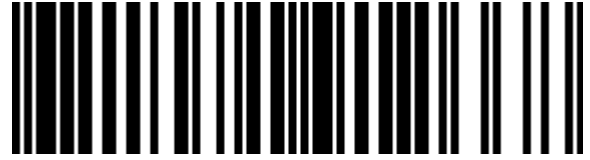
### Features

|                              |              |
|------------------------------|--------------|
| Motherboard chipset *        | AMD B650     |
| Audio output channels *      | 7.1 channels |
| Product colour               | Black        |
| Component for *              | PC           |
| Motherboard form factor *    | ATX          |
| Motherboard chipset family * | AMD          |

| Internal I/O                                      |   | Expansion slots                 |          |
|---------------------------------------------------|---|---------------------------------|----------|
| CPU fan connector                                 | ✓ | PCI Express x1 (Gen 4.x) slots  | 2        |
| Number of chassis fan connectors                  | 4 | PCI Express x16 (Gen 4.x) slots | 2        |
| EPS power connector (8-pin)                       | ✓ | Number of M.2 (M) slots         | 3        |
| Number of COM connectors                          | 1 | BIOS                            |          |
| Thunderbolt headers                               | 1 | BIOS type *                     | UEFI AMI |
| RGB LED pin header                                | ✓ | BIOS memory size                | 256 Mbit |
| Rear panel I/O ports                              |   | Packaging data                  |          |
| USB 2.0 ports quantity *                          | 4 | Package width                   | 338 mm   |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity * | 2 | Package depth                   | 273 mm   |
|                                                   |   | Package height                  | 68 mm    |
|                                                   |   | Package weight                  | 1.36 kg  |
|                                                   |   | Weight & dimensions             |          |
|                                                   |   | Width                           | 305 mm   |
|                                                   |   | Depth                           | 244 mm   |
|                                                   |   | Height                          | 50 mm    |
|                                                   |   | Other features                  |          |
|                                                   |   | Weight                          | 1.2 kg   |



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### Catalog Object Cloud



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