

## ASUS TUF GAMING X870E-PLUS WIFI7 AMD X870E Socket AM5 ATX

**Brand :** ASUS

**Product code:** 90MB1M70-M0EAY0

**Product name :** TUF GAMING X870E-PLUS WIFI7

### TUF GAMING X870E-PLUS WIFI7

ASUS TUF GAMING X870E-PLUS WIFI7. Processor manufacturer: AMD, Processor socket: Socket AM5, Compatible processor series: AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series. Supported memory types: DDR5-SDRAM, Maximum internal memory: 256 GB, Memory slots type: DIMM. Supported storage drive interfaces: M.2, PCI Express 4.0, PCI Express 5.0, SATA III, Supported storage drive types: HDD & SSD, RAID levels: 0, 1, 5, 10. Ethernet interface type: 2.5 Gigabit Ethernet, Top Wi-Fi standard: Wi-Fi 7 (802.11be), Wi-Fi standards: Wi-Fi 7 (802.11be). Component for: PC, Motherboard form factor: ATX, Motherboard chipset family: AMD



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\*Ürününüzü kaydetmek için QR kodu okutunuz.

| Processor                            |                                                                     | Rear panel I/O ports                |                      |
|--------------------------------------|---------------------------------------------------------------------|-------------------------------------|----------------------|
| Processor manufacturer *             | AMD                                                                 | HDMI ports quantity *               | 1                    |
| Processor socket *                   | Socket AM5                                                          | Headphone outputs                   | 1                    |
| Compatible processor series *        | AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series | Line-in                             | ✓                    |
| Supported processor sockets          | Socket AM5                                                          | Microphone in                       | ✓                    |
|                                      |                                                                     | WiFi-AP antenna jack                | 2                    |
| Memory                               |                                                                     | Network                             |                      |
| Supported memory types *             | DDR5-SDRAM                                                          | Ethernet LAN                        | ✓                    |
| Number of memory slots *             | 4                                                                   | Ethernet interface type             | 2.5 Gigabit Ethernet |
| Memory slots type                    | DIMM                                                                | Wi-Fi *                             | ✓                    |
| Memory channels                      | Dual-channel                                                        | Top Wi-Fi standard                  | Wi-Fi 7 (802.11be)   |
| ECC compatibility                    | ECC & Non-ECC                                                       | Wi-Fi standards                     | Wi-Fi 7 (802.11be)   |
| Supported memory clock speed (max)   | 8000 MHz                                                            | Bluetooth                           | ✓                    |
| Maximum internal memory *            | 256 GB                                                              | Bluetooth version                   | 5.4                  |
| Unbuffered memory                    | ✓                                                                   |                                     |                      |
| Storage controllers                  |                                                                     | Features                            |                      |
| Supported storage drive types        | HDD & SSD                                                           | Motherboard chipset *               | AMD X870E            |
| Supported storage drive interfaces * | M.2, PCI Express 4.0, PCI Express 5.0, SATA III                     | Audio output channels *             | 7.1 channels         |
| Number of HDDs supported             | 4                                                                   | Product colour                      | Grey                 |
| Number of storage drives supported   | 8                                                                   | Component for *                     | PC                   |
| RAID support                         | ✓                                                                   | Motherboard form factor *           | ATX                  |
| RAID levels                          | 0, 1, 5, 10                                                         | Motherboard chipset family *        | AMD                  |
|                                      |                                                                     | Cooling type                        | Passive              |
|                                      |                                                                     | Power source type                   | ATX                  |
|                                      |                                                                     | Windows operating systems supported | Windows 11           |

| Graphics                                          |               | Expansion slots                        |          |
|---------------------------------------------------|---------------|----------------------------------------|----------|
| Parallel processing technology support *          | Not supported | PCI Express x1 (Gen 3.x) slots         | 1        |
| On-board graphics card                            | ✗             | PCI Express x16 (Gen 4.x) slots        | 1        |
| Internal I/O                                      |               | PCI Express x16 (Gen 5.x) slots        | 1        |
| USB 2.0 connectors *                              | 2             | Number of M.2 (M) slots                | 4        |
| USB 3.2 Gen 1 (3.1 Gen 1) connectors *            | 1             | 1st M.2 largest key size               | 2280     |
| USB 3.2 Gen 2 (3.1 Gen 2) connectors *            | 1             | 1st M.2 highest PCI Express generation | 5.0      |
| Number of SATA III connectors *                   | 4             | 2nd M.2 largest key size               | 22110    |
| Front panel audio connector                       | ✓             | 2nd M.2 highest PCI Express generation | 5.0      |
| Front panel connector                             | ✓             | 3rd M.2 largest key size               | 2280     |
| ATX Power connector (24-pin)                      | ✓             | 3rd M.2 highest PCI Express generation | 4.0      |
| CPU fan connector                                 | ✓             | 4th M.2 largest key size               | 2280     |
| Number of CPU fan connectors                      | 1             | 4th M.2 highest PCI Express generation | 4.0      |
| Number of chassis fan connectors                  | 4             | BIOS                                   |          |
| EPS power connector (8-pin)                       | ✓             | BIOS type *                            | UEFI AMI |
| Number of EPS power connectors (8-pin)            | 2             | BIOS memory size                       | 256 Mbit |
| 12V power connector                               | ✓             | Packaging data                         |          |
| Number of water pump connectors                   | 1             | Package width                          | 353 mm   |
| Number of temperature sensor headers              | 1             | Package depth                          | 273 mm   |
| RGB LED pin header                                | ✓             | Package height                         | 68 mm    |
| Number of RGB LED pin headers                     | 3             | Package weight                         | 2.08 kg  |
| Rear panel I/O ports                              |               | Weight & dimensions                    |          |
| USB 2.0 ports quantity *                          | 4             | Width                                  | 305 mm   |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 4             | Depth                                  | 244 mm   |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity * | 3             | Height                                 | 48 mm    |
| USB4 Gen 3x2 ports quantity                       | 2             | Packaging content                      |          |
| Ethernet LAN (RJ-45) ports *                      | 1             | Cables included                        | SATA     |
|                                                   |               | Antenna included                       | ✓        |
|                                                   |               | Screws included                        | ✓        |
|                                                   |               | Other features                         |          |
|                                                   |               | Weight                                 | 1.56 kg  |
|                                                   |               | Quick installation guide               | ✓        |



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### Catalog Object Cloud



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