

ASUS ROG CROSSHAIR X870E DARK HERO AMD X870E Socket AM5 ATX

Brand : ASUS

Product code: 90MB1NT0-M0EAY0

Product name : ROG CROSSHAIR X870E DARK HERO

ROG CROSSHAIR X870E DARK HERO Gaming AMD AM5 (ATX, DDR5, Advanced AI PC, 10GB Ethernet, WiFi 7, 2x PCIe 5.0 M.2, 2x USB4, 2x USB 20Gbps)

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Clad in a sleek, understated black design, the ROG Crosshair X870E Dark Hero delivers refined performance for high-end builds, featuring a robust 20+2+2 power stage design, support for high-speed DDR5 memory, and the latest PCIe® 5.0 connectivity. It offers five onboard M.2 SSD slots with heatsinks, including a 3D VC M.2 heatsink for advanced thermal performance, along with Realtek 10G Ethernet and USB4® ports for next-generation connectivity. ASUS-exclusive AI technologies and Polymo Lighting II complete the platform, balancing intelligent tuning with a clean, premium aesthetic.



| Processor | | Network | |
|--|---|-------------------------------------|---|
| Processor manufacturer * | AMD | Ethernet LAN | ✓ |
| Processor socket * | Socket AM5 | Ethernet interface type | 5 Gigabit Ethernet, 10 Gigabit Ethernet |
| Compatible processor series * | AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series | Wi-Fi * | ✓ |
| Supported processor sockets | Socket AM5 | Top Wi-Fi standard | Wi-Fi 7 (802.11be) |
| Memory | | Wi-Fi standards | Wi-Fi 7 (802.11be) |
| Supported memory types * | DDR5-SDRAM | WLAN controller model | MediaTek MT7927 |
| Number of memory slots * | 4 | Bluetooth | ✓ |
| Memory slots type | DIMM | Bluetooth version | 5.4 |
| Memory channels | Dual-channel | Features | |
| ECC compatibility | ECC & Non-ECC | Motherboard chipset * | AMD X870E |
| Maximum internal memory * | 256 GB | Audio chip | Realtek ALC4082 |
| Unbuffered memory | ✓ | Audio output channels * | 7.1 channels |
| Storage controllers | | Product colour | Black |
| Supported storage drive types | HDD & SSD | Component for * | PC |
| Supported storage drive interfaces * | M.2, SATA III | Motherboard form factor * | ATX |
| Number of HDDs supported | 4 | Motherboard chipset family * | AMD |
| Number of storage drives supported | 9 | Windows operating systems supported | Windows 11 |
| RAID support | ✓ | Expansion slots | |
| RAID levels | 0, 1, 5, 10 | PCI Express x16 (Gen 4.x) slots | 2 |
| Graphics | | PCI Express x16 (Gen 5.x) slots | 2 |
| Parallel processing technology support * | Not supported | Number of M.2 (M) slots | 5 |
| | | 1st M.2 largest key size | 22110 |

| Graphics | | Expansion slots | |
|---|---|--|----------|
| On-board graphics card | ✗ | 1st M.2 highest PCI Express generation | 5.0 |
| Internal I/O | | 2nd M.2 largest key size | 2280 |
| USB 2.0 connectors * | 3 | 2nd M.2 highest PCI Express generation | 5.0 |
| USB 3.2 Gen 1 (3.1 Gen 1) connectors * | 2 | 3rd M.2 largest key size | 2280 |
| USB 3.2 Gen 2x2 connectors | 2 | 3rd M.2 highest PCI Express generation | 4.0 |
| Number of SATA III connectors * | 4 | 4th M.2 largest key size | 2280 |
| Front panel audio connector | ✓ | 4th M.2 highest PCI Express generation | 4.0 |
| Front panel connector | ✓ | 5th M.2 highest PCI Express generation | 4.0 |
| ATX Power connector (24-pin) | ✓ | BIOS | |
| CPU fan connector | ✓ | BIOS type * | UEFI AMI |
| Number of chassis fan connectors | 4 | BIOS memory size | 512 Mbit |
| EPS power connector (8-pin) | ✓ | Packaging data | |
| 12V power connector | ✓ | Package width | 308 mm |
| Number of temperature sensor headers | 1 | Package depth | 367 mm |
| Rear panel I/O ports | | Package height | 110 mm |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity * | 6 | Package weight | 4.43 kg |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity * | 3 | Weight & dimensions | |
| USB4 Gen 3x2 ports quantity | 2 | Width | 305 mm |
| Ethernet LAN (RJ-45) ports * | 2 | Depth | 244 mm |
| HDMI ports quantity * | 1 | Packaging content | |
| Microphone in | ✓ | Cables included | SATA |
| S/PDIF out port | ✓ | Antenna included | ✓ |
| WiFi-AP antenna jack | 1 | Screws included | ✓ |



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