

ASUS PRIME X870-P AMD X870 Socket AM5 ATX

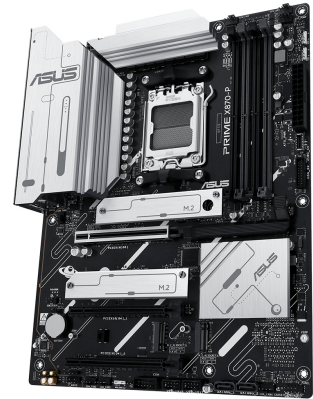
Brand : ASUS

Product code: 90MB1IT0-M0EAY0

Product name : PRIME X870-P

PRIME X870-P Mainboard Socket AM5 (AMD, ATX, PCIe 5.0, DDR5, 14+2+1 Power Stages, 4x M.2, 2,5Gb Ethernet, USB-C 40Gbps)

ASUS PRIME X870-P. Processor manufacturer: AMD, Processor socket: Socket AM5, Compatible processor series: AMD Ryzen™ 3, AMD Ryzen™ 5, AMD Ryzen™ 7, AMD Ryzen 9 7th Gen, AMD Ryzen 9 8th Gen, AMD.... 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, 5, 10. DisplayPort version: 1.4a. Ethernet interface type: 2.5 Gigabit Ethernet



| Processor | | Rear panel I/O ports | |
|--|---|---|------------------------|
| Processor manufacturer * | AMD | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 3 |
| Processor socket * | Socket AM5 | USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity * | 1 |
| Compatible processor series * | AMD Ryzen™ 3, AMD Ryzen™ 5, AMD Ryzen™ 7, AMD Ryzen 9 7th Gen, AMD Ryzen 9 8th Gen, AMD Ryzen 9 9th Gen | USB4 Gen 2x2 ports quantity | 2 |
| Supported processor sockets | Socket AM5 | Ethernet LAN (RJ-45) ports * | 1 |
| Memory | | HDMI ports quantity * | 1 |
| Supported memory types * | DDR5-SDRAM | HDMI version | 2.1 |
| Number of memory slots * | 4 | DisplayPort version | 1.4a |
| Memory slots type | DIMM | Line-in | ✓ |
| Memory channels | Dual-channel | Microphone in | ✓ |
| ECC | ✓ | Network | |
| Non-ECC | ✓ | Ethernet LAN | ✓ |
| Supported memory clock speed (max) | 8000 MHz | Ethernet interface type | 2.5 Gigabit Ethernet |
| Maximum internal memory * | 192 GB | Wi-Fi * | ✗ |
| Unbuffered memory | ✓ | Features | |
| Storage controllers | | Motherboard chipset * | AMD X870 |
| Supported storage drive types | HDD & SSD | Audio output channels * | 7.1 channels |
| Supported storage drive interfaces * | M.2, SATA III | Product colour | Black |
| Number of HDDs supported | 2 | Component for * | PC |
| Number of storage drives supported | 6 | Motherboard form factor * | ATX |
| RAID support | ✓ | Motherboard chipset family * | AMD |
| RAID levels | 0, 1, 5, 10 | Cooling type | Passive |
| Graphics | | Power source type | ATX |
| Parallel processing technology support * | Not supported | Windows operating systems supported | Windows 10, Windows 11 |
| On-board graphics card | ✗ | Expansion slots | |
| | | PCI Express x16 (Gen 4.x) slots | 2 |
| | | PCI Express x16 (Gen 5.x) slots | 1 |
| | | Number of M.2 (M) slots | 4 |

| Internal I/O | | BIOS | |
|--|---|--------------------------------|----------|
| USB 2.0 connectors * | 2 | BIOS type * | UEFI AMI |
| USB 3.2 Gen 1 (3.1 Gen 1) connectors * | 1 | BIOS memory size | 256 Mbit |
| USB 3.2 Gen 2 (3.1 Gen 2) connectors * | 1 | Packaging data | |
| Number of SATA III connectors * | 2 | Package width | 353 mm |
| Front panel audio connector | ✓ | Package depth | 273 mm |
| ATX Power connector (24-pin) | ✓ | Package height | 68 mm |
| CPU fan connector | ✓ | Package weight | 1.5 kg |
| Number of chassis fan connectors | 4 | Weight & dimensions | |
| EPS power connector (8-pin) | ✓ | Width | 305 mm |
| Number of COM connectors | 1 | Depth | 244 mm |
| TPM connector | ✓ | Height | 48 mm |
| 12V power connector | ✓ | Packaging content | |
| RGB LED pin header | ✓ | Cables included | SATA |
| Rear panel I/O ports | | Other features | |
| USB 2.0 ports quantity * | 4 | Weight | 1.44 kg |
| | | Back-to-BIOS button | ✓ |



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