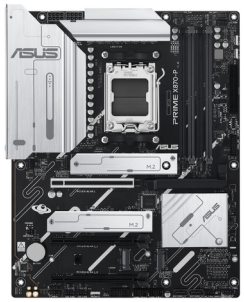
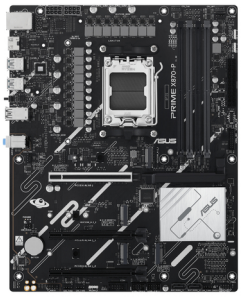
# ASUS PRIME X870-P-CSM motherboard AMD X870 Socket AM5 ATX





**Brand :** ASUS

**Product code:** PRIME X870-P-CSM

**Product name :** PRIME X870-P-CSM

AM5, up to PCIe 5.0 x16, 14+2+1 Power stages, 4 x DIMM slots DDR5, 4 x M.2

ASUS PRIME X870-P-CSM motherboard AMD X870 Socket AM5 ATX:

ASUS Prime series motherboards are expertly engineered to unleash the full potential of AMD Ryzen™ 9000 series processors. Boasting a robust power design, comprehensive cooling solutions and intelligent tuning options, the PRIME X870-P-CSM motherboard provides users and PC DIY builders with a range of performance optimizations via intuitive software and firmware features. It's designed to be Advanced AI PC-ready, offering the power and connectivity needed for demanding AI applications.

| Processor | |
|---|---|
| Processor manufacturer * | AMD |
| Processor socket * | Socket AM5 |
| Compatible processor series * | AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 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 speed (max) | 8000 MHz |
| Maximum internal memory * | 256 GB |
| Unbuffered memory | ✔ |
| Maximum internal memory per slot | 64 GB |

| Storage controllers | |
|---|---|
| Supported storage drive types | HDD & SSD |
| Supported storage drive interfaces * | M.2, SATA III |
| Number of HDDs supported | 2 |
| Number of storage drives supported | 6 |
| RAID support | ✔ |
| RAID levels | 0, 1, 5, 10 |

| Graphics | |
|---|---|
| Parallel processing technology support * | Not supported |
| Maximum resolution | 3840 x 2160 pixels |

| Internal I/O | |
|---|---|
| USB 2.0 connectors * | 2 |
| USB 3.2 Gen 1 (3.1 Gen 1) connectors * | 1 |

| Rear panel I/O ports | |
|---|---|
| USB 2.0 ports quantity * | 4 |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 3 |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity * | 1 |
| USB4 Gen 3x2 ports quantity | 2 |
| Ethernet LAN (RJ-45) ports * | 1 |
| HDMI ports quantity * | 1 |
| HDMI version | 2.1 |
| DisplayPort version | 1.4a |
| Headphone outputs | 1 |
| Line-in | ✔ |
| Microphone in | ✔ |

| Network | |
|---|---|
| Ethernet LAN | ✔ |
| Ethernet interface type | 2.5 Gigabit Ethernet |
| Wi-Fi * | ✘ |

| Features | |
|---|---|
| Motherboard chipset * | AMD X870 |
| Audio output channels * | 7.1 channels |
| Product colour | Black |
| Component for * | PC |
| Motherboard form factor * | ATX |
| Motherboard chipset family * | AMD |
| Cooling type | Passive |
| Power source type | ATX |
| Windows operating systems supported | Windows 10, Windows 11 |

| Expansion slots | |
|---|---|
| PCI Express x16 (Gen 4.x) slots | 2 |
| PCI Express x16 (Gen 5.x) slots | 1 |

| Internal I/O | |
|---|---|
| USB 3.2 Gen 2 (3.1 Gen 2) connectors * | 1 |
| Number of SATA III connectors * | 2 |
| S/PDIF out connector | ✔ |
| Front panel audio connector | ✔ |
| Front panel connector | ✔ |
| ATX Power connector (24-pin) | ✔ |
| CPU fan connector | ✔ |
| Number of CPU fan connectors | 1 |
| Number of chassis fan connectors | 4 |
| EPS power connector (8-pin) | ✔ |
| Number of EPS power connectors (8-pin) | 2 |
| Number of COM connectors | 1 |
| TPM connector | ✔ |
| 12V power connector | ✔ |
| Number of water pump connectors | 1 |
| RGB LED pin header | ✔ |
| Number of RGB LED pin headers | 3 |

| Expansion slots | |
|---|---|
| Number of M.2 (M) slots | 4 |
| 1st M.2 largest key size | 2280 |
| 1st M.2 highest PCI Express generation | 5.0 |
| 2nd M.2 largest key size | 2280 |
| 2nd M.2 highest PCI Express generation | 4.0 |
| 3rd M.2 largest key size | 2280 |
| 3rd M.2 highest PCI Express generation | 4.0 |
| 4th M.2 largest key size | 2280 |
| 4th M.2 highest PCI Express generation | 3.0 |

| BIOS | |
|---|---|
| BIOS type * | UEFI AMI |
| BIOS memory size | 256 Mbit |
| BIOS flashback button | ✔ |

| Weight & dimensions | |
|---|---|
| Width | 305 mm |
| Depth | 244 mm |

| Packaging content | |
|---|---|
| Cables included | SATA |
| Screws included | ✔ |



0197105723061



197105723061

**Catalog Object Cloud**



Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity. Automated scraping, data mining, or harvesting for the purpose of training machine learning models, neural networks, or artificial intelligence systems is strictly prohibited without a commercial license.

Publication date: 27-OCT-2026. Prints or copies of Information are only valid on the printed Publication date