

# ASUS ProArt P16 H7606WX-SE008X Copilot+ PC AMD Ryzen AI 9 HX 370 Laptop 40.6 cm (16") Touchscreen WQUXGA 64 GB LPDDR5x-SDRAM 2 TB SSD NVIDIA® GeForce RTX™ 5090 Laptop GPU Wi-Fi 7 (802.11be) Windows 11 Pro Black QWERTZ German



**Brand :** ASUS

**Product family:** ProArt

**Product code:** 90NB17E1-M001N0

**Product name :** H7606WX-SE008X Copilot+ PC

AMD Ryzen AI 9 HX 370 (2GHz), 64GB LPDDR5x-SDRAM, 2000GB SSD, 40.6 cm (16") WQUXGA 3840 x 2400 OLED Touch, AMD Radeon 890M, NVIDIA GeForce RTX 5090 (24GB GDDR7), WLAN, Webcam, Windows 11 Pro 64-bit

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## ProArt P16

### Creativity Unrivaled, Anywhere

Meet ProArt P16 – your ultimate creative companion for the studio and on the move. Its OLED touchscreen ensures precise color accuracy for flawless proofing, while versatile I/O ports seamlessly connect all your peripherals. This NVIDIA® Studio-validated laptop packs a GeForce RTX™ 40 Series Laptop GPU, providing powerful graphics and 321 TOPS AI performance. Additionally, it features up to a 50 TOPS AMD Ryzen™ AI 9 HX 370 processor, delivering exceptional processing power. With AI-enhanced creative features, military-grade toughness, and a long-lasting battery, ProArt P16 transforms any setting into your studio.

| Design                             |                         | Network                                         |                                                                                             |
|------------------------------------|-------------------------|-------------------------------------------------|---------------------------------------------------------------------------------------------|
| Colour name                        | 3K, Nano Black          | Wi-Fi                                           | ✓                                                                                           |
| Product type *                     | Laptop                  | Top Wi-Fi standard *                            | Wi-Fi 7 (802.11be)                                                                          |
| Product colour *                   | Black                   | Wi-Fi standards                                 | Wi-Fi 7 (802.11be)                                                                          |
| Form factor *                      | Clamshell               | Mobile network connection *                     | ✗                                                                                           |
| Housing material                   | Aluminium               | Antenna type                                    | 2x2                                                                                         |
| Market positioning                 | Performance             | Ethernet LAN                                    | ✗                                                                                           |
| Introduction year                  | 2024                    | Bluetooth                                       | ✓                                                                                           |
| <b>Display</b>                     |                         | Bluetooth version                               | 5.4                                                                                         |
|                                    |                         | <b>Ports &amp; interfaces</b>                   |                                                                                             |
| Display diagonal *                 | 40.6 cm (16")           | USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity | 2                                                                                           |
| Display resolution *               | 3840 x 2400 pixels      | USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity | 1                                                                                           |
| Touchscreen *                      | ✓                       | USB4 Gen 3x2 ports quantity                     | 1                                                                                           |
| HD type                            | WQUXGA                  | HDMI ports quantity *                           | 1                                                                                           |
| Panel type                         | OLED                    | HDMI version                                    | 2.1                                                                                         |
| Display number of colours          | 1.07 billion colours    | Combo headphone/mic port                        | ✓                                                                                           |
| Native aspect ratio                | 16:10                   | I/O ports                                       | 1x USB 4.0 Gen 3 Type-C with support for display / power delivery (data speed up to 40Gbps) |
| Display surface                    | Gloss                   |                                                 | 1x USB 3.2 Gen 2 Type-C with support for display / power delivery (data speed up to 10Gbps) |
| Display brightness                 | 700 cd/m²               |                                                 | 2x USB 3.2 Gen 2 Type-A (data speed up to 10Gbps), 1x HDMI 2.1 FRL                          |
| Maximum display brightness (HDR)   | 1000 cd/m²              |                                                 | 1x 3.5mm Combo Audio Jack                                                                   |
| RGB colour space                   | DCI-P3                  |                                                 | 1x DC-in, SD Express 7.0 card reader                                                        |
| Colour gamut                       | 100%                    |                                                 |                                                                                             |
| Display response rise/fall         | 0.2 ms                  |                                                 |                                                                                             |
| Maximum refresh rate               | 120 Hz                  | USB Type-C DisplayPort Alternate Mode           |                                                                                             |
| Contrast ratio (typical)           | 1000000:1               |                                                 |                                                                                             |
| High Dynamic Range (HDR) supported | ✓                       |                                                 |                                                                                             |
| <b>Processor</b>                   |                         |                                                 |                                                                                             |
| Processor manufacturer *           | AMD                     |                                                 |                                                                                             |
| Processor family *                 | AMD Ryzen AI 9 HX       |                                                 |                                                                                             |
| Processor generation               | AMD Ryzen AI 300 Series |                                                 |                                                                                             |

| Processor                         |                                      | Keyboard                      |                                                                                                                                                                                                                                     |
|-----------------------------------|--------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor model *                 | 370                                  | Pointing device               | Touchpad                                                                                                                                                                                                                            |
| Processor cores                   | 12                                   | Numeric keypad *              | ✗                                                                                                                                                                                                                                   |
| Processor threads                 | 24                                   | Keyboard backlit              | ✓                                                                                                                                                                                                                                   |
| Processor boost frequency         | 5.1 GHz                              | Keyboard layout               | QWERTZ                                                                                                                                                                                                                              |
| Processor frequency *             | 2 GHz                                | Keyboard language             | German                                                                                                                                                                                                                              |
| Processor cache type              | L2 & L3                              | Copilot key                   | ✓                                                                                                                                                                                                                                   |
| L3 cache                          | 24 MB                                | Software                      |                                                                                                                                                                                                                                     |
| L2 cache                          | 12 MB                                | Operating system architecture | 64-bit                                                                                                                                                                                                                              |
| Neural processor unit (NPU)       |                                      | Microsoft Copilot             | ✓                                                                                                                                                                                                                                   |
| Copilot+ PC                       | ✓                                    |                               | StoryCube                                                                                                                                                                                                                           |
| Neural processor unit (NPU)       | AMD Ryzen AI                         |                               | MuseTree                                                                                                                                                                                                                            |
| Total processor performance up to | 80 TOPs                              |                               | CapCut                                                                                                                                                                                                                              |
| NPU performance up to             | 50 TOPs                              | Pre-installed software        | ASUS Recovery                                                                                                                                                                                                                       |
| Memory                            |                                      |                               | MyASUS                                                                                                                                                                                                                              |
| Internal memory *                 | 64 GB                                |                               | ProArt Creator Hub                                                                                                                                                                                                                  |
| Internal memory type              | LPDDR5x-SDRAM                        |                               | ScreenXpert                                                                                                                                                                                                                         |
| Memory form factor                | On-board                             |                               | GlideX                                                                                                                                                                                                                              |
| Maximum internal memory *         | 64 GB                                |                               | 1-month trial for new Microsoft 365 customers. Credit card required.                                                                                                                                                                |
| Storage                           |                                      | Operating system installed *  | Windows 11 Pro                                                                                                                                                                                                                      |
| Total storage capacity *          | 2 TB                                 |                               | Xbox Game Pass Premium_2 months (*Terms and exclusions apply. Offer only available in eligible markets for Xbox Game Pass Premium. Eligible markets are determined at activation. Game catalog varies by region, device, and time.) |
| Storage media *                   | SSD                                  |                               |                                                                                                                                                                                                                                     |
| Total SSDs capacity               | 2 TB                                 |                               |                                                                                                                                                                                                                                     |
| Number of SSDs installed          | 1                                    |                               |                                                                                                                                                                                                                                     |
| SSD capacity                      | 2 TB                                 |                               |                                                                                                                                                                                                                                     |
| SSD interface                     | PCI Express 4.0                      |                               |                                                                                                                                                                                                                                     |
| NVMe                              | ✓                                    |                               |                                                                                                                                                                                                                                     |
| SSD form factor                   | M.2                                  |                               |                                                                                                                                                                                                                                     |
| Optical drive type *              | ✗                                    |                               |                                                                                                                                                                                                                                     |
| Card reader integrated            | ✓                                    |                               |                                                                                                                                                                                                                                     |
| Compatible memory cards           | SD                                   |                               |                                                                                                                                                                                                                                     |
| Graphics                          |                                      | Bundled software              |                                                                                                                                                                                                                                     |
| Discrete GPU manufacturer         | NVIDIA                               |                               |                                                                                                                                                                                                                                     |
| Discrete graphics card model *    | NVIDIA® GeForce RTX™ 5090 Laptop GPU |                               |                                                                                                                                                                                                                                     |
| Discrete graphics card memory     | 24 GB                                |                               |                                                                                                                                                                                                                                     |
| Discrete graphics memory type     | GDDR7                                |                               |                                                                                                                                                                                                                                     |
| On-board graphics card *          | ✓                                    |                               |                                                                                                                                                                                                                                     |
| On-board GPU manufacturer         | AMD                                  |                               |                                                                                                                                                                                                                                     |
| Discrete graphics card *          | ✓                                    |                               |                                                                                                                                                                                                                                     |
| On-board graphics card family     | AMD Radeon                           |                               |                                                                                                                                                                                                                                     |
| On-board graphics card model *    | AMD Radeon Graphics                  |                               |                                                                                                                                                                                                                                     |
| Audio                             |                                      | Battery                       |                                                                                                                                                                                                                                     |
| Audio system                      | Smart Amp                            | Battery technology            | Lithium-Ion (Li-Ion)                                                                                                                                                                                                                |
| Speakers manufacturer             | Harman Kardon                        | Number of battery cells       | 4                                                                                                                                                                                                                                   |
| Built-in microphone               | ✓                                    | Battery capacity *            | 90 Wh                                                                                                                                                                                                                               |
| Camera                            |                                      | Power                         |                                                                                                                                                                                                                                     |
| Front camera                      | ✓                                    | AC adapter power              | 240 W                                                                                                                                                                                                                               |
| Front camera resolution           | 1920 x 1080 pixels                   | AC adapter frequency          | 50/60 Hz                                                                                                                                                                                                                            |
| Front camera HD type              | Full HD                              | AC adapter input voltage      | 100 - 240 V                                                                                                                                                                                                                         |
| Infrared (IR) camera              | ✓                                    | AC adapter output current     | 12 A                                                                                                                                                                                                                                |
|                                   |                                      | AC adapter output voltage     | 20 V                                                                                                                                                                                                                                |
|                                   |                                      | DC-in jack                    | ✓                                                                                                                                                                                                                                   |
|                                   |                                      | USB Type-C charging port *    | ✓                                                                                                                                                                                                                                   |
|                                   |                                      | USB Power Delivery (USB PD)   | ✓                                                                                                                                                                                                                                   |
|                                   |                                      | Security                      |                                                                                                                                                                                                                                     |
|                                   |                                      | Face recognition              | ✓                                                                                                                                                                                                                                   |
|                                   |                                      | Windows Hello                 | ✓                                                                                                                                                                                                                                   |
|                                   |                                      | Trusted Platform Module (TPM) | ✓                                                                                                                                                                                                                                   |
|                                   |                                      | Password protection           | ✓                                                                                                                                                                                                                                   |
|                                   |                                      | Certificates                  |                                                                                                                                                                                                                                     |
|                                   |                                      | Compliance certificates       | RoHS, REACH                                                                                                                                                                                                                         |
|                                   |                                      | Certification                 | US MIL-STD 810H                                                                                                                                                                                                                     |
|                                   |                                      | Sustainability                |                                                                                                                                                                                                                                     |
|                                   |                                      | Sustainability certificates   | ENERGY STAR                                                                                                                                                                                                                         |
|                                   |                                      | Weight & dimensions           |                                                                                                                                                                                                                                     |
|                                   |                                      | Width                         | 354.9 mm                                                                                                                                                                                                                            |
|                                   |                                      | Depth                         | 246.9 mm                                                                                                                                                                                                                            |
|                                   |                                      | Height (front)                | 1.49 cm                                                                                                                                                                                                                             |
|                                   |                                      | Height (rear)                 | 1.83 cm                                                                                                                                                                                                                             |
|                                   |                                      | Weight *                      | 1.95 kg                                                                                                                                                                                                                             |
|                                   |                                      | Packaging data                |                                                                                                                                                                                                                                     |
|                                   |                                      | Package width                 | 568 mm                                                                                                                                                                                                                              |

| Packaging data        |                                                                                                                         |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------|
| Package depth         | 98 mm                                                                                                                   |
| Package height        | 345 mm                                                                                                                  |
| Package weight        | 2.23 kg                                                                                                                 |
| Packaging content     |                                                                                                                         |
| AC adapter included * | ✓                                                                                                                       |
| Accessories included  | * Included accessories vary according to country and territory. Please check with your local ASUS retailer for details. |
| Other features        |                                                                                                                         |
| Expansion slots       | 1x M.2 2280 PCIe 4.0x4 + 1x M.2 2280 PCIe 4.0x2                                                                         |



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### Catalog Object Cloud



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