

ASUS Vivobook Pro 15 OLED N6506CU-MA040WS Intel Core Ultra 9 285H Ordinateur portable 39,6 cm (15.6") 3K 24 Go DDR5-SDRAM 1 To SSD NVIDIA GeForce RTX 4050 Wi-Fi 6E (802.11ax) Windows 11 Home Belge Noir, Gris

Marque : ASUS

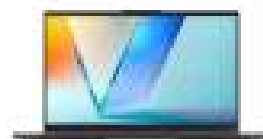
Famille de produit: Vivobook

Code produit: 90NB15E3-M002F0

Nom du produit : N6506CU-MA040WS

- Débloquez l'expérience IA
- Libérez votre créativité
- ASUS IceCool pour des performances ininterrompues
- Écran OLED 3K 120 Hz 16:9, leader mondial
- ASUS DialPad
- Profitez-en facilement
- Protégez votre parcours

Intel Core Ultra 9 285H (24Mo Cache), 24Go DDR5-SDRAM, 1000Go SSD, 39.6 cm (15.6") 3K 2880 x 1620 OLED, Intel Arc 140T, NVIDIA GeForce RTX 4050 (6Go GDDR6), LAN, WLAN, Webcam, Windows 11 Home 64-bit



| Design | | Graphics | |
|-------------------------------------|-----------------------|-----------------------------------|---------------------|
| Colour name | Earl Grey | On-board graphics card * | ✓ |
| Product type * | Laptop | On-board GPU manufacturer | Intel |
| Product colour * | Black, Grey | Discrete graphics card * | ✓ |
| Form factor * | Clamshell | On-board graphics card family | Intel Arc Graphics |
| Housing material | Aluminium, Plastic | On-board graphics card model * | Intel Arc 140T |
| Market positioning | Home | | |
| Display | | Audio | |
| Display diagonal * | 39.6 cm (15.6") | Audio system | Smart Amp |
| Display resolution * | 2880 x 1620 pixels | Speakers manufacturer | Harman Kardon |
| Touchscreen * | ✗ | Built-in microphone | ✓ |
| HD type | 3K | Camera | |
| Panel type | OLED | Front camera | ✓ |
| Display number of colours | 1.07 billion colours | Front camera resolution (numeric) | 5 MP |
| Native aspect ratio | 16:9 | Infrared (IR) camera | ✓ |
| Display surface | Gloss | Privacy camera | ✓ |
| Display brightness | 400 cd/m ² | Privacy type | Privacy shutter |
| Maximum display brightness (HDR) | 600 cd/m ² | Network | |
| RGB colour space | DCI-P3 | Top Wi-Fi standard * | Wi-Fi 6E (802.11ax) |
| Colour gamut | 100% | Wi-Fi standards | Wi-Fi 6E (802.11ax) |
| Display response rise/fall | 0.2 ms | Mobile network connection * | ✗ |
| Maximum refresh rate | 120 Hz | Antenna type | 2x2 |
| Contrast ratio (typical) | 1000000:1 | Ethernet LAN | ✓ |
| High Dynamic Range (HDR) supported | ✓ | Ethernet LAN data rates | 10,100,1000 Mbit/s |
| High Dynamic Range (HDR) technology | HDR True Black 600 | Bluetooth | ✓ |
| | | Bluetooth version | 5.3 |
| Processor | | | |
| Processor manufacturer * | Intel | | |

| | | | |
|----------------------------------------------|------------------------------------------------|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Processor | | Ports & interfaces | |
| Processor family * | Intel Core Ultra 9 | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2 |
| Processor generation | Intel Core Ultra (Series 2) | USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity | 1 |
| Processor model * | 285H | Ethernet LAN (RJ-45) ports | 1 |
| Processor cores | 16 | HDMI ports quantity * | 1 |
| Processor threads | 16 | HDMI version | 2.1 |
| Processor boost frequency | 5.4 GHz | Thunderbolt 4 ports quantity | 1 |
| Performance cores | 6 | Intel® Thunderbolt 4 | ✓ |
| Efficient cores | 8 | Combo headphone/mic port | ✓ |
| Low Power Efficient-cores | 2 | Power adapter barrel connector | 6.0 mm |
| Performance-core Max Turbo Frequency | 5.4 GHz | USB Type-C DisplayPort Alternate Mode | ✓ |
| Efficient-core Max Turbo Frequency | 4.5 GHz | Keyboard | |
| Low Power Efficient-core Max Turbo Frequency | 2.5 GHz | Pointing device | DialPad |
| Performance-core base frequency | 2.9 GHz | Numeric keypad * | ✓ |
| Efficient-core base frequency | 2.7 GHz | Keyboard backlit | ✓ |
| Low Power Efficient-core Base Frequency | 1000 MHz | Keyboard layout | AZERTY |
| Processor cache | 24 MB | Keyboard language | Belgian |
| Processor base power | 45 W | Copilot key | ✓ |
| Maximum turbo power | 115 W | Software | |
| Neural processor unit (NPU) | | Operating system architecture | 64-bit |
| Neural processor unit (NPU) | Intel AI Boost | Trial software | Microsoft 365 Personal 1-year included, McAfee 30 days |
| Sparsity support | ✓ | Operating system installed * | Windows 11 Home |
| Windows Studio effects support | ✓ | Bundled software | One-Month Membership of Adobe Creative Cloud All Apps, Individual. The redemption duration from September 15, 2021 to August 31, 2025. |
| AI software frameworks supported by NPU | DirectML, OpenVINO, Windows ML, ONNX RT, WebNN | Microsoft Copilot | ✓ |
| Total processor performance up to | 99 TOPs | Copilot+ PC | ✓ |
| NPU performance up to | 13 TOPs | Battery | |
| GPU performance up to | 77 TOPs | Battery technology | Lithium-Ion (Li-Ion) |
| Memory | | Number of battery cells | 4 |
| Internal memory * | 24 GB | Battery capacity * | 75 Wh |
| Internal memory type | DDR5-SDRAM | Power | |
| Memory form factor | On-board + SO-DIMM | AC adapter power | 200 W |
| Memory slots | 1x SO-DIMM | AC adapter frequency | 50 - 60 Hz |
| Maximum internal memory * | 24 GB | AC adapter input voltage | 100 - 240 V |
| Storage | | AC adapter output current | 10 A |
| Total storage capacity * | 1 TB | AC adapter output voltage | 20 V |
| Storage media * | SSD | DC-in jack | ✓ |
| Total SSDs capacity | 1 TB | USB Type-C charging port * | ✓ |
| Number of SSDs installed | 1 | USB Power Delivery (USB PD) | ✓ |
| SSD capacity | 1 TB | Security | |
| SSD interface | PCI Express 4.0 | Face recognition | ✓ |
| NVMe | ✓ | Windows Hello | ✓ |
| SSD form factor | M.2 | Trusted Platform Module (TPM) | ✓ |
| Optical drive type * | ✗ | Password protection | ✓ |
| Card reader integrated | ✓ | Password protection type | BIOS, User |
| Compatible memory cards | SD | Certificates | |
| Graphics | | Compliance certificates | REACH |
| Discrete GPU manufacturer | NVIDIA | Sustainability | |
| Discrete graphics card model * | NVIDIA GeForce RTX 4050 | Sustainability compliance | ✓ |
| Discrete graphics card memory | 6 GB | Sustainability certificates | ENERGY STAR |
| Discrete graphics memory type | GDDR6 | | |

Weight & dimensions

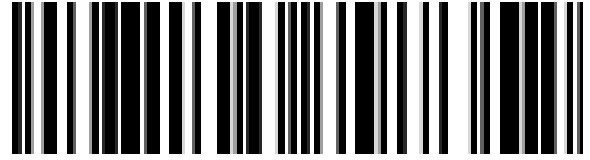
| | |
|----------|----------|
| Width | 355.7 mm |
| Depth | 235.3 mm |
| Height | 19.9 mm |
| Weight * | 1.8 kg |

Packaging content

| | |
|-----------------------|---|
| AC adapter included * | ✓ |
|-----------------------|---|



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