



Part No	90NB15E3-M002R0
Sales Model Name	N6506CU-MA040W
EAN Code	4711387954270
UPC Code	197105954274
WEEE	1.55
BASE UNIT	VSNB15E3-BU1100
Marketing Name	ASUS Vivobook Pro 15 OLED
Operating System	Windows 11 Home - ASUS recommends Windows 11 Pro for business
Office	1-month trial for new Microsoft 365 customers. Credit card required.
LCD cover-material	Aluminum
LCD cover-color	Earl Gray
Top case-material	Plastic
Top case-color	Earl Gray
Keyboard color	Black
Bottom case-material	Plastic
Bottom case-color	Earl Gray
Military grade	US MIL-STD 810H military-grade standard
Touch Panel	Non-touch screen
Panel Size	15.6-inch
Resolution	3K (2880 x 1620) OLED 16:9 aspect ratio
Response time	0.2ms response time
Refresh rate	120Hz refresh rate
Brightness	400nits
Peak Brightness	500nits HDR peak brightness
Color gamut	100% DCI-P3 color gamut
Gamut mapping	Yes
Contrast ratio	1,000,000:1
VESA CERTIFIED Display HDR	VESA CERTIFIED Display HDR True Black 600
Color depth	1.07 billion colors
Pantone	PANTONE Validated
Glare	Glossy display
Low blue light	70% less harmful blue light
TÜV Rheinland-certified	TÜV Rheinland-certified
Screen-to-body ratio	84%
Processor	Intel® Core™ Ultra 9 Processor 285H 2.9 GHz (24MB Cache, up to 5.4 GHz, 16 cores, 16 Threads); Intel® AI Boost NPU up to 13TOPS
Chipset	N/A
Discrete/Share	Discrete
Intergrated GPU	Intel® Arc™ Graphics
Graphics	NVIDIA® GeForce RTX™ 4050 Laptop GPU (194 AI TOPs)

Graphic Memory	6GB GDDR6
Neural Processor	Intel® AI Boost NPU up to 13TOPS
Expansion Slot(includes used)	1x DDR5 SO-DIMM slot 2x M.2 2280 PCIe 4.0x4
On board memory	8GB DDR5 on board
DIMM Memory	16GB DDR5 SO-DIMM
Total System Memory	DDR5 24GB
How to upgrade memory	Upgradable; Need to remove bottom/top case
Storage	1TB M.2 NVMe™ PCIe® 4.0 SSD
Front-facing camera	5.0M camera ; With privacy shutter
Wireless	Wi-Fi 6E(802.11ax) (Dual band) 2*2 + Bluetooth® 5.3 Wireless Card (*Bluetooth® version may change with OS version different.)
on board Wireless	Wi-Fi 6E(802.11ax) (Dual band) 2*2 + Bluetooth® 5.3 Wireless Card (*Bluetooth® version may change with OS version different.)
Keyboard type	Backlit Chiclet Keyboard with Num-key With Copilot key *Copilot in Windows (in preview) is rolling out gradually within the latest update to Windows 11 in select global markets. Timing of availability varies by device and market. Learn more: https://www.microsoft.com/en-us/windows/copilot-ai-features?r=1#faq
Touchpad	Precision touchpad support DialPad
FingerPrint	N/A
I/O ports	1x USB 3.2 Gen 2 Type-C with support for display / power delivery (data speed up to 10Gbps) 2x USB 3.2 Gen 1 Type-A (data speed up to 5Gbps) 1x Thunderbolt™ 4 with support for display / power delivery (data speed up to 40Gbps) 1x HDMI 2.1 TMDS 1x 3.5mm Combo Audio Jack 1x RJ45 Gigabit Ethernet 1x DC-in
Audio	Smart Amp Technology Built-in speaker Built-in array microphone harman/kardon (Mainstream)
Voice control	with Cortana support
Power	ø4.5, 200W AC Adapter, Output: 20V DC, 10A, 200W, Input: 100~240V AC 50/60Hz universal
Battery	75WHrs, 4S1P, 4-cell Li-ion
Replaceable Battery	No
Dimension (W x H x D)	35.57 x 23.53 x 1.99 ~ 1.99 cm (14.00" x 9.26" x 0.78" ~ 0.78")
Weight (with Battery)	1.80 kg (3.97 lbs)
Weight (without Battery)	1.75 kg (3.86 lbs)
Antivirus	McAfee® 30 days free trial
Security	IR webcam with Windows Hello support McAfee® BIOS Booting User Password Protection Microsoft Pluton security processor Trusted Platform Module (Firmware TPM)
MyASUS feature	System diagnosis Battery health charging Fan Profile Splendid Tru2Life Function key lock WiFi SmartConnect TaskFirst Live update ASUS OLED Care
Built-in Apps	CapCut MyASUS ScreenXpert GlideX
Adobe Creative Cloud Hard Bundle	One-Month Membership of Adobe Creative Cloud All Apps, Individual. The redemption duration from September 15, 2021 to August 31, 2025.

Ecolabels & Compliances	Energy star 8.0
	RoHS
	REACH
Reparability Index (for France)	8.4

