

ASUS Vivobook Pro 15 OLED N6506MU Intel Core Ultra 7 155H Laptop 39,6 cm (15.6") 3K 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4050 Wi-Fi 6E (802.11ax) Windows 11 Pro Grey



Brand : ASUS

Product family: Vivobook

Article code: 90NB12Z3-M004X0

Product name : N6506MU

ASUS Vivobook Pro 15 OLED N6506MU. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 155H. Display diagonal: 39,6 cm (15.6"), HD type: 3K, Display resolution: 2880 x 1620 pixels. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel Arc Graphics, Discrete graphics card model: NVIDIA GeForce RTX 4050. Operating system installed: Windows 11 Pro. Product color: Grey

Design		Graphics	
Colour name	Earl Grey	Discrete graphics card memory	6 GB
Product type *	Laptop	Discrete graphics memory type	GDDR6
Product colour *	Grey	On-board graphics card *	✓
Form factor *	Clamshell	On-board GPU manufacturer	Intel
Display		Discrete graphics card *	✓
Display diagonal *	39.6 cm (15.6")	On-board graphics card family	Intel Arc Graphics
Display resolution *	2880 x 1620 pixels	On-board graphics card model *	Intel Arc Graphics
Touchscreen *	✗	Audio	
HD type	3K	Audio system	Smart Amp
Panel type	OLED	Speakers manufacturer	Harman Kardon
Native aspect ratio	16:9	Built-in microphone	✓
Display surface	Gloss	Camera	
Display brightness	400 cd/m²	Front camera	✓
Maximum display brightness (HDR)	600 cd/m²	Front camera resolution (numeric)	5 MP
RGB colour space	DCI-P3	Infrared (IR) camera	✓
Colour gamut	100%	Privacy camera	✓
Display response rise/fall	0.2 ms	Privacy type	Privacy shutter
Maximum refresh rate	120 Hz	Network	
Display number of colours	1.073 billion colours	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Contrast ratio (typical)	1000000:1	Wi-Fi standards	Wi-Fi 6E (802.11ax)
High Dynamic Range (HDR) supported	✓	Mobile network connection *	✗
High Dynamic Range (HDR) technology	HDR True Black 600	Antenna type	2x2
Processor		Ethernet LAN	✓
Processor manufacturer *	Intel	Ethernet LAN data rates	10,100,1000 Mbit/s
Processor family *	Intel Core Ultra 7	Bluetooth	✓
Processor generation	Intel® Core™ Ultra (Series 1)	Bluetooth version	5.3
Processor model *	155H	Ports & interfaces	
Processor cores	16	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor threads	22	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Processor boost frequency	4.8 GHz	Ethernet LAN (RJ-45) ports	1
Performance cores	6	HDMI ports quantity *	1
Efficient cores	8		
Low Power Efficient-cores	2		

Processor		Ports & interfaces	
Performance-core Max Turbo Frequency	4.8 GHz	HDMI version	2.1
Efficient-core Max Turbo Frequency	3.8 GHz	Thunderbolt 4 ports quantity	1
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Intel® Thunderbolt 4	✓
Performance-core base frequency	1.4 GHz	Combo headphone/mic port	✓
Efficient-core base frequency	0.9 GHz	Charging port type	DC-in jack
Low Power Efficient-core Base Frequency	700 MHz	Power adapter barrel connector	6.0 mm
Processor cache	24 MB	USB Type-C DisplayPort Alternate Mode	✓
Processor cache type	Smart Cache		
Processor base power	28 W		
Maximum turbo power	115 W		
Neural processor unit (NPU)		Performance	
Neural processor unit (NPU)	Intel AI Boost	Repairability index	8.5
Maximum frequency NPU	1.4 GHz		
Sparsity support	✓	Keyboard	
Windows Studio effects support	✓	Pointing device	Touchpad
AI datatype support on NPU	FP16, FP32, Int8	Numeric keypad *	✓
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	Keyboard backlit	✓
Memory		Software	
Internal memory *	16 GB	Operating system architecture	64-bit
Internal memory type	DDR5-SDRAM	Trial software	McAfee 30 days
Memory form factor	On-board + SO-DIMM	Operating system installed *	Windows 11 Pro
Memory slots	1x SO-DIMM		
Maximum internal memory *	24 GB	Battery	
Storage		Battery technology	Lithium-Ion (Li-Ion)
Total storage capacity *	1 TB	Number of battery cells	4
Storage media *	SSD	Battery capacity *	75 Wh
Total SSDs capacity	1 TB	Power	
Number of SSDs installed	1	AC adapter power	200 W
SSD capacity	1 TB	AC adapter frequency	50 - 60 Hz
SSD interface	PCI Express 4.0	AC adapter input voltage	100 - 240 V
NVMe	✓	AC adapter output current	10 A
SSD form factor	M.2	AC adapter output voltage	20 V
Optical drive type *	✗	USB Power Delivery (USB PD) *	✓
Card reader integrated	✓	Security	
Compatible memory cards	SD	Face recognition	✓
Graphics		Windows Hello	✓
Discrete GPU manufacturer	NVIDIA	Trusted Platform Module (TPM)	✓
Discrete graphics card model *	NVIDIA GeForce RTX 4050	Password protection	✓
		Password protection type	BIOS, User
		Certificates	
		Compliance certificates	RoHS, REACH
		Sustainability	
		Sustainability compliance	✓
		Sustainability certificates	EPEAT Silver, ENERGY STAR
		Weight & dimensions	
		Width	355.7 mm
		Depth	235.3 mm
		Height	19.9 mm
		Weight *	1.8 kg



4711387555040

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.

Publication date: 07-DEC-2024. Prints or copies of Information are only valid on the printed Publication date