

## ASUS Vivobook Pro 15 OLED N6506MU-MA010W 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 Home Grey



**Brand :** ASUS

**Product family:** Vivobook

**Product code:** 90NB12Z3-M001Y0

**Product name :** N6506MU-MA010W

- Unlock AI experience
- Realise your creativity
- ASUS IceCool for non-stop performance
- World-leading 16:9 3K 120Hz OLED display
- ASUS DialPad
- Enjoy it the easy way
- Protect your journey

Intel Core Ultra 7 155H (24MB Cache), 16GB DDR5-SDRAM, 1000GB SSD, 39.6 cm (15.6") 3K 2880 x 1620 OLED, Intel Arc Graphics, NVIDIA GeForce RTX 4050 (6GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home 64-bit

ASUS Vivobook Pro 15 OLED N6506MU-MA010W. 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 Home. Product colour: Grey



Design		Camera	
Colour name	Earl Grey	Privacy camera	✓
Product type *	Laptop	Privacy type	Privacy shutter
Product colour *	Grey	<b>Network</b>	
Form factor *	Clamshell	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Market positioning	Home	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Country of origin	China	Mobile network connection *	✗
<b>Display</b>		Antenna type	2x2
Display diagonal *	39.6 cm (15.6")	Ethernet LAN	✓
Display resolution *	2880 x 1620 pixels	Bluetooth	✓
Touchscreen *	✗	Bluetooth version	5.3
HD type	3K	<b>Ports &amp; interfaces</b>	
Panel type	OLED	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Native aspect ratio	16:9	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Display surface	Gloss	Ethernet LAN (RJ-45) ports	1
Display brightness	400 cd/m <sup>2</sup>	HDMI ports quantity *	1
RGB colour space	DCI-P3	HDMI version	2.1
Colour gamut	100%	Thunderbolt 4 ports quantity	1
Maximum refresh rate	120 Hz	Intel® Thunderbolt 4	✓
High Dynamic Range (HDR) supported	✓	Combo headphone/mic port	✓
<b>Processor</b>		Charging port type	DC-in jack
Processor manufacturer *	Intel	Power adapter barrel connector	6.0 mm
Processor family *	Intel Core Ultra 7	USB Type-C DisplayPort Alternate Mode	✓
Processor model *	155H	USB Power Delivery	✓
Processor cores	16	<b>Keyboard</b>	
Processor boost frequency	4.8 GHz	Pointing device	Touchpad
Performance cores	6		
Efficient cores	8		

<b>Processor</b>		<b>Keyboard</b>	
Performance-core Max Turbo Frequency	4.8 GHz	Numeric keypad *	✓
Efficient-core Max Turbo Frequency	3.8 GHz	Keyboard backlit	✓
Processor cache	24 MB	<b>Software</b>	
Processor cache type	Smart Cache	Operating system architecture	64-bit
Processor base power	28 W	Trial software	McAfee® 30 days free trial
Maximum turbo power	115 W	Operating system installed *	Windows 11 Home
<b>Memory</b>		<b>Battery</b>	
Internal memory *	16 GB	Battery technology	Lithium-Ion (Li-Ion)
Internal memory type	DDR5-SDRAM	Number of battery cells	4
Memory slots	1x SO-DIMM	Battery capacity *	75 Wh
Maximum internal memory *	24 GB	<b>Power</b>	
<b>Storage</b>		AC adapter power	200 W
Total storage capacity *	1 TB	AC adapter frequency	50 - 60 Hz
Storage media *	SSD	AC adapter input voltage	100 - 240 V
Total SSDs capacity	1 TB	AC adapter output current	10 A
Number of SSDs installed	1	AC adapter output voltage	20 V
SSD capacity	1 TB	<b>Security</b>	
SSD interface	PCI Express 4.0	Windows Hello	✓
NVMe	✓	Trusted Platform Module (TPM)	✓
SSD form factor	M.2	Password protection	✓
Optical drive type *	✗	Password protection type	BIOS, User
Card reader integrated	✓	<b>Certificates</b>	
Compatible memory cards	SD	Compliance certificates	RoHS, REACH
<b>Graphics</b>		<b>Sustainability</b>	
Discrete graphics card model *	NVIDIA GeForce RTX 4050	Sustainability certificates	EPEAT Silver, ENERGY STAR
Discrete graphics card memory	6 GB	<b>Weight &amp; dimensions</b>	
Discrete graphics memory type	GDDR6	Width	355.7 mm
On-board graphics card *	✓	Depth	235.3 mm
Discrete graphics card *	✓	Height	19.9 mm
On-board graphics card model *	Intel Arc Graphics	Weight *	1.8 kg
<b>Audio</b>		<b>Packaging data</b>	
Audio system	Smart Amp	Package width	65 mm
Built-in microphone	✓	Package depth	460 mm
<b>Camera</b>		Package height	290 mm
Front camera	✓	Package weight	2.57 kg
Front camera resolution (numeric)	5 MP	<b>Logistics data</b>	
		Commodity Classification	
		Automated Tracking System (CCATS)	8471300000



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