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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

ENERGY STAR   RoHS 2002/95/EC   epeat SILVER

Design

Colour name	Earl Grey
Product type *	Laptop
Product colour *	Grey
Form factor *	Clamshell
Market positioning	Home
Country of origin	China

Display

Display diagonal *	39.6 cm (15.6")
Display resolution *	2880 x 1620 pixels
Touchscreen *	✘
HD type	3K
Panel type	OLED
Native aspect ratio	16:9
Display surface	Gloss
Display brightness	400 cd/m²
RGB colour space	DCI-P3
Colour gamut	100%
Maximum refresh rate	120 Hz
High Dynamic Range (HDR) supported	✔

Processor

Processor manufacturer *	Intel
Processor family *	Intel Core Ultra 7
Processor model *	155H
Processor cores	16
Processor boost frequency	4.8 GHz
Performance cores	6
Efficient cores	8

Camera

Privacy camera	✔
Privacy type	Privacy shutter

Network

Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Wi-Fi standards	Wi-Fi 6E (802.11ax)
Mobile network connection *	✘
Antenna type	2x2
Ethernet LAN	✔
Bluetooth	✔
Bluetooth version	5.3

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
HDMI version	2.1
Thunderbolt 4 ports quantity	1
Intel® Thunderbolt 4	✔
Combo headphone/mic port	✔
Charging port type	DC-in jack
Power adapter barrel connector	6.0 mm
USB Type-C DisplayPort Alternate Mode	✔
USB Power Delivery	✔

Keyboard

Pointing device	Touchpad

Processor

Performance-core Max Turbo Frequency	4.8 GHz
Efficient-core Max Turbo Frequency	3.8 GHz
Processor cache	24 MB
Processor cache type	Smart Cache
Processor base power	28 W
Maximum turbo power	115 W

Memory

Internal memory *	16 GB
Internal memory type	DDR5-SDRAM
Memory slots	1x SO-DIMM
Maximum internal memory *	24 GB

Storage

Total storage capacity *	1 TB
Storage media *	SSD
Total SSDs capacity	1 TB
Number of SSDs installed	1
SSD capacity	1 TB
SSD interface	PCI Express 4.0
NVMe	✓
SSD form factor	M.2
Optical drive type *	✗
Card reader integrated	✓
Compatible memory cards	SD

Graphics

Discrete graphics card model *	NVIDIA GeForce RTX 4050
Discrete graphics card memory	6 GB
Discrete graphics memory type	GDDR6
On-board graphics card *	✓
Discrete graphics card *	✓
On-board graphics card model *	Intel Arc Graphics

Audio

Audio system	Smart Amp
Built-in microphone	✓

Camera

Front camera	✓
Front camera resolution (numeric)	5 MP

Keyboard

Numeric keypad *	✓
Keyboard backlit	✓

Software

Operating system architecture	64-bit
Trial software	McAfee® 30 days free trial
Operating system installed *	Windows 11 Home

Battery

Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	4
Battery capacity *	75 Wh

Power

AC adapter power	200 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
AC adapter output current	10 A
AC adapter output voltage	20 V

Security

Windows Hello	✓
Trusted Platform Module (TPM)	✓
Password protection	✓
Password protection type	BIOS, User

Certificates

Compliance certificates	RoHS, REACH

Sustainability

Sustainability certificates	EPEAT Silver, ENERGY STAR

Weight & dimensions

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

Packaging data

Package width	65 mm
Package depth	460 mm
Package height	290 mm
Package weight	2.57 kg

Logistics data

Commodity Classification Automated Tracking System (CCATS)	8471300000

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