ASUS Vivobook Pro 15 OLED N6506MV-MA004W laptop Intel Core Ultra 9 185H 39.6 cm (15.6") 3K 24 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4060 Wi-Fi 6E (802.11ax) Windows 11 Home Grey

Brand : ASUS

Product family: Vivobook

Product code: N6506MV-MA004W

Product name : N6506MV-MA004W

- Windows 11 Home 64-bit
- Intel Core Ultra 9 185H (24MB Cache)
- 39.6 cm (15.6") 3K 2880 x 1620 OLED, NVIDIA GeForce RTX 4060 (8GB GDDR6)
- 24GB DDR5-SDRAM & 1000GB SSD

Intel Core Ultra 9 185H (24MB Cache), 24GB DDR5-SDRAM, 1000GB SSD, 39.6 cm (15.6") 3K 2880 x 1620 OLED, Intel Arc Graphics, NVIDIA GeForce RTX 4060 (8GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home 64-bit

ASUS Vivobook Pro 15 OLED N6506MV-MA004W. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 9, Processor model: 185H. Display diagonal: 39.6 cm (15.6"), HD type: 3K, Display resolution: 2880 x 1620 pixels. Internal memory: 24 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 4060. Operating system installed: Windows 11 Home. Product colour: Grey

Design

Colour name	Earl Grey
Product type *	Laptop
Product colour *	Grey
Form factor *	Clamshell

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
Maximum display brightness (HDR)	600 cd/m²
RGB colour space	DCI-P3
Colour gamut	100%
Display response rise/fall	0.2 ms
Maximum refresh rate	120 Hz
Display number of colours	1.073 billion colours
Contrast ratio (typical)	1000000:1
High Dynamic Range (HDR) supported	✓
High Dynamic Range (HDR) technology	HDR True Black 600

Processor

Processor manufacturer *	Intel
Processor family *	Intel Core Ultra 9
Processor model *	185H
Processor cores	16
Processor boost frequency	5.1 GHz
Performance cores	6
Efficient cores	8
Performance-core Max Turbo Frequency	5.1 GHz

Audio

Built-in microphone	✓

Camera

Front camera	✓
Front camera resolution (numeric)	5 MP
Infrared (IR) 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	✓
Ethernet LAN data rates	10,100,1000 Mbit/s
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 (USB PD)	✓

Processor

Efficient-core Max Turbo Frequency	3.8 GHz
Performance-core base frequency	2.3 GHz
Efficient-core base frequency	1.8 GHz
Processor cache	24 MB
Processor cache type	Smart Cache
Processor base power	45 W
Maximum turbo power	115 W

Memory

Internal memory *	24 GB
Internal memory type	DDR5-SDRAM
Memory form factor	On-board + SO-DIMM
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 GPU manufacturer	NVIDIA
Discrete graphics card model *	NVIDIA GeForce RTX 4060
Discrete graphics card memory	8 GB
Discrete graphics memory type	GDDR6
On-board graphics card *	✓
On-board GPU manufacturer	Intel
Discrete graphics card *	✓
On-board graphics card model *	Intel Arc Graphics

Audio

Audio system	Smart Amp
Speakers manufacturer	Harman Kardon

Keyboard

Pointing device	DialPad
Keyboard layout	QWERTZ
Keyboard language	German
Numeric keypad *	✓
Keyboard backlit	✓

Software

Operating system architecture	64-bit
Trial software	McAfee 30 days, Micosoft 365 30 days
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

Face recognition	✓
Windows Hello	✓
Trusted Platform Module (TPM)	✓
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

Packaging data

Package width	460 mm
Package depth	290 mm
Package height	65 mm
Package weight	2.05 kg

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