ASUS

ASUS VivoBook Pro 15 OLED N6506MV-MA026W Intel Core Ultra 9 185H Laptop 39.6 cm (15.6") 3K 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4060 Wi-Fi 6E (802.11ax) Windows 11 Home Grey

Brand : ASUS
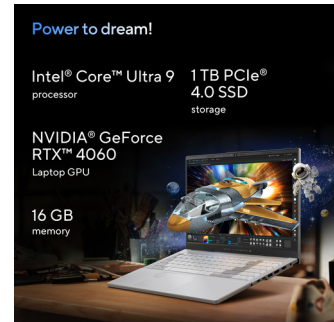
Product family: VivoBook

Product code: 90NB12Y3-M00140

Product name : N6506MV-MA026W

- 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 9 185H (24MB Cache), 16GB 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-MA026W. 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: 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 4060. Operating system installed: Windows 11 Home. Product colour: Grey

Design		**Audio**	
Colour name	Earl Grey	Audio system	Smart Amp
Product type *	Laptop	Speakers manufacturer	Harman Kardon
Product colour *	Grey	Built-in microphone	✔
Form factor *	Clamshell	**Camera**	
Housing material	Plastic		
Market positioning	Home	Front camera	✔
Introduction year	2024	Front camera resolution (numeric)	5 MP
Country of origin	China	Infrared (IR) camera	✔
Display		Privacy camera	✔
		Privacy type	Privacy shutter
Display diagonal *	39.6 cm (15.6")		
Display resolution *	2880 x 1620 pixels	**Network**	
Touchscreen *	✘	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
HD type	3K	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Panel type	OLED	Mobile network connection *	✘
Native aspect ratio	16:9	Antenna type	2x2
Display surface	Gloss	Ethernet LAN	✔
Maximum display brightness (HDR)	400 cd/m²	Ethernet LAN data rates	10,100,1000 Mbit/s
RGB colour space	DCI-P3	Bluetooth	✔
Colour gamut	100%	Bluetooth version	5.3
Display response rise/fall	0.2 ms		
Maximum refresh rate	120 Hz	**Ports & interfaces**	
Display number of colours	1.073 billion colours	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Contrast ratio (typical)	1000000:1	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
High Dynamic Range (HDR) supported	✔	Ethernet LAN (RJ-45) ports	1
High Dynamic Range (HDR) technology	HDR True Black 600	HDMI ports quantity *	1
		HDMI version	2.1
Processor		Thunderbolt 4 ports quantity	1
		Intel® Thunderbolt 4	✔
Processor manufacturer *	Intel		

Processor

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
Efficient-core Max Turbo Frequency	3.8 GHz
Performance-core base frequency	2.3 GHz
Efficient-core boost 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 *	16 GB
Internal memory type	DDR5-SDRAM
Memory form factor	On-board + SO-DIMM
Memory layout (slots x size)	1 x 8 GB
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 *	✔
Discrete graphics card *	✔
On-board graphics card model *	Intel Arc Graphics

Ports & interfaces

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
Numeric keypad *	✔
Keyboard backlit	✔

Software

Operating system architecture	64-bit
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

Sustainability

Sustainability compliance	✔
Sustainability certificates	EPEAT Silver, ENERGY STAR, RoHS, REACH

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	488 mm
Package height	310 mm
Package weight	3.76 kg

Logistics data

Commodity Classification Automated Tracking System (CCATS)	8471300000

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