

ASUS Vivobook Pro 15 OLED N6506MU-MA068W Intel Core Ultra 9 185H Laptop 39,6 cm (15.6") 3K 24 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4050 Wi-Fi 6E (802.11ax) Windows 11 Home Grau



Marke : ASUS

Produktfamilie: Vivobook

Artikel-Code: 90NB12Z3-M00380

Produktname : N6506MU-MA068W

- 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 4050 (6GB 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 4050 (6GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home 64-bit
 ASUS Vivobook Pro 15 OLED N6506MU-MA068W. Produkttyp: Laptop, Formfaktor: Klappgehäuse.
 Prozessorfamilie: Intel Core Ultra 9, Prozessor: 185H. Bildschirmdiagonale: 39,6 cm (15.6"), HD-Typ: 3K, Display-Auflösung: 2880 x 1620 Pixel. Speicherkapazität: 24 GB, Interner Speichertyp: DDR5-SDRAM. Gesamtspeicherkapazität: 1 TB, Speichermedien: SSD. Eingebautes Grafikkartenmodell: Intel Arc Graphics, Separates Grafikkartenmodell: NVIDIA GeForce RTX 4050. Installiertes Betriebssystem: Windows 11 Home. Produktfarbe: Grau

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%	Infrared (IR) camera	✓
Display response rise/fall	0.2 ms	Privacy camera	✓
Maximum refresh rate	120 Hz	Privacy type	Privacy shutter
Display number of colours	1.073 billion colours	Network	
Contrast ratio (typical)	1000000:1	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
High Dynamic Range (HDR) supported	✓	Wi-Fi standards	Wi-Fi 6E (802.11ax)
High Dynamic Range (HDR) technology	HDR True Black 600	Mobile network connection *	✗
Processor		Antenna type	2x2
Processor manufacturer *	Intel	Ethernet LAN	✓
Processor family *	Intel Core Ultra 9	Ethernet LAN data rates	10,100,1000 Mbit/s
Processor generation	Intel® Core™ Ultra (Series 1)	Bluetooth	✓
Processor model *	185H	Bluetooth version	5.3
Processor cores	16	Ports & interfaces	
Processor threads	22	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor boost frequency	5.1 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Performance cores	6		

Processor		Ports & interfaces	
Efficient cores	8	Ethernet LAN (RJ-45) ports	1
Low Power Efficient-cores	2	HDMI ports quantity *	1
Performance-core Max Turbo Frequency	5.1 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	2.3 GHz	Combo headphone/mic port	✓
Efficient-core base frequency	1.8 GHz	Power adapter barrel connector	6.0 mm
Low Power Efficient-core Base Frequency	1000 MHz	USB Type-C DisplayPort Alternate Mode	✓
Processor cache	24 MB	Keyboard	
Processor cache type	Smart Cache	Pointing device	Touchpad
Processor base power	45 W	Numeric keypad *	✓
Maximum turbo power	115 W	Keyboard backlit	✓
Neural processor unit (NPU)		Software	
Neural processor unit (NPU)	Intel AI Boost	Operating system architecture	64-bit
Maximum frequency NPU	1.4 GHz	Operating system installed *	Windows 11 Home
Sparsity support	✓	Battery	
Windows Studio effects support	✓	Battery technology	Lithium-Ion (Li-Ion)
AI datatype support on NPU	FP16, FP32, Int8	Number of battery cells	4
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	Battery capacity *	75 Wh
Memory		Power	
Internal memory *	24 GB	AC adapter power	200 W
Internal memory type	DDR5-SDRAM	AC adapter frequency	50 - 60 Hz
Memory form factor	On-board + SO-DIMM	AC adapter input voltage	100 - 240 V
Memory slots	1x SO-DIMM	AC adapter output current	10 A
Maximum internal memory *	24 GB	AC adapter output voltage	20 V
Storage		DC-in jack	✓
Total storage capacity *	1 TB	USB Power Delivery (USB PD)	✓
Storage media *	SSD	Security	
Total SSDs capacity	1 TB	Face recognition	✓
Number of SSDs installed	1	Windows Hello	✓
SSD capacity	1 TB	Trusted Platform Module (TPM)	✓
SSD interface	PCI Express 4.0	Password protection	✓
NVMe	✓	Password protection type	BIOS, User
SSD form factor	M.2	Certificates	
Optical drive type *	✗	Compliance certificates	RoHS, REACH
Card reader integrated	✓	Sustainability	
Compatible memory cards	SD	Sustainability compliance	✓
Graphics		Sustainability certificates	EPEAT Silver, ENERGY STAR
Discrete GPU manufacturer	NVIDIA	Weight & dimensions	
Discrete graphics card model *	NVIDIA GeForce RTX 4050	Width	355.7 mm
		Depth	235.3 mm
		Height	19.9 mm
		Weight *	1.8 kg



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