ASUS Vivobook Pro 16X OLED M7600RE-L2028W AMD Ryzen™ 9 6900HX Laptop 40.6 cm (16") WQUXGA 32 GB LPDDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 3050 Ti Wi-Fi 6 (802.11ax) Windows 11 Home Black

Brand : ASUS

Product family: Vivobook

Product code: 90NB0YQ1-M00140
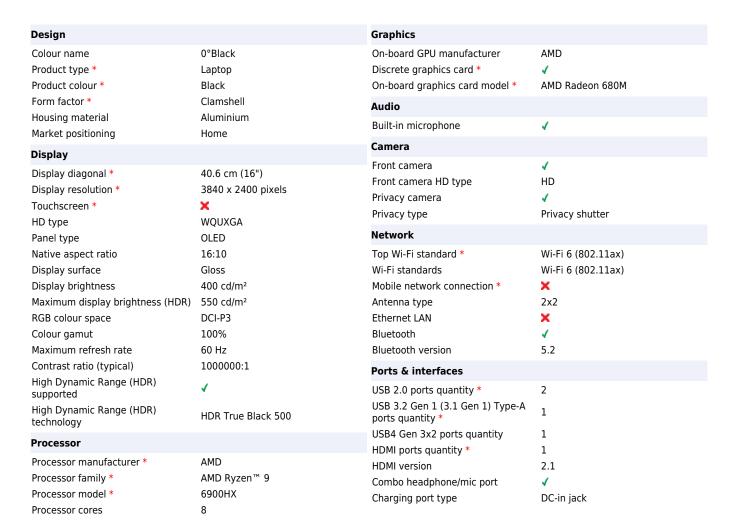
Product name : M7600RE-L2028W

AMD Ryzen 9 6900HX (16MB Cache, 3.3GHz), 32GB LPDDR5-SDRAM, 1000GB SSD, 40.6 cm (16") WQUXGA 3840 x 2400 OLED, AMD Radeon 680M, NVIDIA GeForce RTX 3050 Ti (4GB GDDR6), WLAN, Webcam, Windows 11 Home 64-bit

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ASUS Vivobook Pro 16X OLED
Wow the World with Supreme Power
Shape the future with Vivobook Pro 16X OLED, the ultimate powerhouse for next-generation creativity. Vivobook Pro 16X OLED brings you the speed and accuracy you need to realize your vision, with a 16-inch NanoEdge 4K OLED display, AMD Ryzen™ 9 6900HX processor, and NVIDIA® GeForce RTX™ 3050 Ti graphics. The exclusive DialPad gives you precise and intuitive control of your creative tools, and the dual-fan cooling design lets you work in undistarbed peace. Vivobook Pro 16X OLED unlocks the door to your creative future.

Design	
Colour name	0°Black
Product type *	Laptop
Product colour *	Black
Form factor *	Clamshell
Housing material	Aluminium
Market positioning	Home

Display	
Display diagonal *	40.6 cm (16")
Display resolution *	3840 x 2400 pixels
Touchscreen *	✘
HD type	WQUXGA
Panel type	OLED
Native aspect ratio	16:10
Display surface	Gloss
Display brightness	400 cd/m²
Maximum display brightness (HDR)	550 cd/m²
RGB colour space	DCI-P3
Colour gamut	100%
Maximum refresh rate	60 Hz
Contrast ratio (typical)	1000000:1
High Dynamic Range (HDR) supported	✔
High Dynamic Range (HDR) technology	HDR True Black 500

Processor	
Processor manufacturer *	AMD
Processor family *	AMD Ryzen™ 9
Processor model *	6900HX
Processor cores	8

Graphics	
On-board GPU manufacturer	AMD
Discrete graphics card *	✔
On-board graphics card model *	AMD Radeon 680M

Audio	
Built-in microphone	✔

Camera	
Front camera	✔
Front camera HD type	HD
Privacy camera	✔
Privacy type	Privacy shutter

Network	
Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Wi-Fi standards	Wi-Fi 6 (802.11ax)
Mobile network connection *	✘
Antenna type	2x2
Ethernet LAN	✘
Bluetooth	✔
Bluetooth version	5.2

Ports & interfaces	
USB 2.0 ports quantity *	2
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
USB4 Gen 3x2 ports quantity	1
HDMI ports quantity *	1
HDMI version	2.1
Combo headphone/mic port	✔
Charging port type	DC-in jack

Processor

Processor boost frequency	4.9 GHz
Processor frequency *	3.3 GHz
Processor cache	16 MB

Memory

Internal memory *	32 GB
Internal memory type	LPDDR5-SDRAM
Memory form factor	On-board
Memory slots	1x SO-DIMM
Maximum internal memory *	32 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 3.0
NVMe	✓
SSD form factor	M.2
Optical drive type *	✗
Card reader integrated	✓
Compatible memory cards	MicroSD (TransFlash)

Graphics

Discrete GPU manufacturer	NVIDIA
Discrete graphics card model *	NVIDIA GeForce RTX 3050 Ti
Discrete graphics card memory	4 GB
Discrete graphics memory type	GDDR6
On-board graphics card *	✓

Ports & interfaces

USB Type-C DisplayPort Alternate Mode	✓
USB Power Delivery	✓

Keyboard

Pointing device	Touchpad
Numeric keypad *	✓
Keyboard backlit	✓

Software

Operating system architecture	64-bit
Trial software	1-month trial for new Microsoft 365 customers. Credit card required.
Operating system installed *	Windows 11 Home

Battery

Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	6
Battery capacity *	96 Wh

Power

AC adapter power	150 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
AC adapter output current	7.5 A
AC adapter output voltage	20 V

Security

Fingerprint reader	✓
Trusted Platform Module (TPM)	✓
Password protection	✓
Password protection type	BIOS, User

Weight & dimensions

Width	360.5 mm
Depth	259 mm
Height	18.9 mm
Weight *	2 kg

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