ASUS

ASUS VivoBook Pro 16X OLED M7600RE-L2028W 6900HX Notebook 40.6 cm (16") WQUXGA AMD Ryzen™ 9 32 GB LPDDR5-SDRAM 1000 GB 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

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

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

ASUS VivoBook Pro 16X OLED M7600RE-L2028W. Product type: Notebook, Form factor: Clamshell. Processor family: AMD Ryzen™ 9, Processor model: 6900HX, Processor frequency: 3.3 GHz. Display diagonal: 40.6 cm (16"), HD type: WQUXGA, Display resolution: 3840 x 2400 pixels. Internal memory: 32 GB, Internal memory type: LPDDR5-SDRAM. Total storage capacity: 1000 GB, Storage media: SSD. On-board graphics card model: AMD Radeon 680M. Operating system installed: Windows 11 Home. Product colour: Black

Design

Colour name	0°Black
Product type *	Notebook
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
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 model *	6900HX
Processor family *	AMD Ryzen™ 9
Processor frequency *	3.3 GHz
Processor boost frequency	4.9 GHz

Graphics

Discrete graphics memory type	GDDR6

Audio

Speakers manufacturer	Harman Kardon
Built-in microphone	✓

Camera

Front camera	✓
Front camera HD type	HD

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	5.0

Ports & interfaces

USB 2.0 ports quantity *	2
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
USB 3.2 Gen 1 (3.1 Gen 1) Type-C 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
USB Type-C DisplayPort Alternate Mode	✓

Processor

Processor cores	8
Processor cache	16 MB

Memory

Internal memory *	32 GB
Internal memory type	LPDDR5-SDRAM
Memory form factor	On-board
Maximum internal memory *	32 GB

Storage

Total storage capacity *	1000 GB
Storage media *	SSD
Total SSDs capacity	1000 GB
Number of SSDs installed	1
SSD capacity	1000 GB
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
On-board graphics card *	✔
Discrete graphics card *	✔
On-board graphics card model *	AMD Radeon 680M
Discrete graphics card memory	4 GB

Ports & interfaces

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	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

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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