

ASUS Vivobook Pro 14X OLED N7401ZE-M9101W Intel® Core™ i9 i9-12900H Laptop 36.8 cm (14.5") 2.8K 32 GB LPDDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 3050 Ti Wi-Fi 6E (802.11ax) Windows 11 Home Silver

Brand : ASUS

Product family: Vivobook

Product code: 90NB0XE1-M00590

Product name : N7401ZE-M9101W



- Windows 11 Home 64-bit
 - Intel Core i9-12900H (24MB Cache)
 - 36.8 cm (14.5") 2.8K 2880 x 1800 OLED, NVIDIA GeForce RTX 3050 Ti (4GB GDDR6)
 - 32GB (2500MHz) LPDDR5-SDRAM & 1000GB SSD
 Intel Core i9-12900H (24MB Cache), 32GB LPDDR5-SDRAM, 1000GB SSD, 36.8 cm (14.5") 2.8K 2880 x 1800 OLED, Intel Iris Xe Graphics, NVIDIA GeForce RTX 3050 Ti (4GB GDDR6), WLAN, Webcam, Windows 11 Home 64-bit
 ASUS Vivobook Pro 14X OLED N7401ZE-M9101W. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i9, Processor model: i9-12900H. Display diagonal: 36.8 cm (14.5"), HD type: 2.8K, Display resolution: 2880 x 1800 pixels. Internal memory: 32 GB, Internal memory type: LPDDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel Iris Xe Graphics, Discrete graphics card model: NVIDIA GeForce RTX 3050 Ti. Operating system installed: Windows 11 Home. Product colour: Silver

Design		Camera	
Colour name	Cool Silver	Privacy camera	✓
Product type *	Laptop	Privacy type	Privacy shutter
Product colour *	Silver	Network	
Form factor *	Clamshell	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Housing material	Aluminium	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Market positioning	Performance	Mobile network connection *	✗
Display		Antenna type	2x2
Display diagonal *	36.8 cm (14.5")	Ethernet LAN	✗
Display resolution *	2880 x 1800 pixels	Bluetooth	✓
Touchscreen *	✗	Bluetooth version	5.0
HD type	2.8K	Ports & interfaces	
Panel type	OLED	USB 2.0 ports quantity *	2
Native aspect ratio	16:10	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Display surface	Gloss	HDMI ports quantity *	1
Display brightness	600 cd/m ²	HDMI version	2.1
RGB colour space	DCI-P3	Thunderbolt 4 ports quantity	1
Colour gamut	100%	Intel® Thunderbolt 4	✓
Maximum refresh rate	120 Hz	Combo headphone/mic port	✓
Contrast ratio (typical)	1000000:1	USB Type-C DisplayPort Alternate Mode	✓
High Dynamic Range (HDR) supported	✓	Keyboard	
High Dynamic Range (HDR) technology	HDR True Black 600	Pointing device	Touchpad
Processor		Numeric keypad *	✗
Processor manufacturer *	Intel	Keyboard backlit	✓
Processor family *	Intel® Core™ i9	Keyboard layout	QWERTY
Processor generation	12th gen Intel® Core™ i9		
Processor model *	i9-12900H		

Processor		Software	
Processor cores	14	Operating system architecture	64-bit
Processor boost frequency	5 GHz	Operating system installed *	Windows 11 Home
Processor cache	24 MB	Processor special features	
Configurable TDP-down	35 W	Intel Flex Memory Access	✓
Memory		Intel Trusted Execution Technology	✓
Internal memory *	32 GB	Intel VT-x with Extended Page Tables (EPT)	✓
Internal memory type	LPDDR5-SDRAM	Intel Stable Image Platform Program (SIPP)	✓
Memory clock speed	2500 MHz	Execute Disable Bit	✓
Memory form factor	On-board	CPU configuration (max)	1
Maximum internal memory *	32 GB	Embedded options available	✗
Storage		Intel Virtualization Technology for Directed I/O (VT-d)	✓
Total storage capacity *	1 TB	Intel Virtualization Technology (VT-x)	✓
Storage media *	SSD	Battery	
Total SSDs capacity	1 TB	Battery technology	Lithium-Ion (Li-Ion)
Number of SSDs installed	1	Number of battery cells	3
SSD capacity	1 TB	Battery capacity *	70 Wh
SSD interface	PCI Express 4.0	Power	
NVMe	✓	AC adapter power	150 W
SSD form factor	M.2	AC adapter frequency	50 - 60 Hz
Optical drive type *	✗	AC adapter input voltage	100 - 240 V
Card reader integrated	✓	AC adapter output current	7.5 A
Compatible memory cards	MicroSD (TransFlash)	AC adapter output voltage	20 V
Graphics		DC-in jack	✓
Discrete GPU manufacturer	NVIDIA	USB Power Delivery (USB PD)	✓
Discrete graphics card model *	NVIDIA GeForce RTX 3050 Ti	Security	
Discrete graphics card memory	4 GB	Fingerprint reader	✓
Discrete graphics memory type	GDDR6	Trusted Platform Module (TPM)	✓
On-board graphics card *	✓	Password protection	✓
On-board GPU manufacturer	Intel	Password protection type	BIOS, User
Discrete graphics card *	✓	Weight & dimensions	
On-board graphics card model *	Intel Iris Xe Graphics	Width	322.8 mm
Audio		Depth	229.9 mm
Audio system	Smart Amp	Height	17.9 mm
Speakers manufacturer	Harman Kardon	Weight *	1.2 kg
Built-in microphone	✓		
Camera			
Front camera	✓		
Front camera HD type	Full HD		



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Publication date: 02-APR-2025. Prints or copies of Information are only valid on the printed Publication date