

**ASUS ZenBook Pro Duo 15 OLED UX582ZM-H2009X i9-12900H
Notebook 39,6 cm (15.6") Touchscreen 4K Ultra HD Intel® Core™
i9 32 GB LPDDR5-SDRAM 1000 GB SSD NVIDIA GeForce RTX 3060
Wi-Fi 6 (802.11ax) Windows 11 Pro Blue**

Brand : ASUS

Product family: ZenBook

Product code: 90NB0VR1-M000F0

Product name : UX582ZM-H2009X

- Windows 11 Pro 64-bit

- Intel Core i9-12900H (24MB Cache)

- 39.6 cm (15.6") 4K (3840 x 2160) OLED , NVIDIA GeForce RTX 3060 (6GB GDDR6)

- 32GB LPDDR5-SDRAM (1 x 16) & 1000GB SSD

Intel Core i9-12900H (24MB Cache), 32GB LPDDR5-SDRAM, 1000GB SSD, 39.6 cm (15.6") 4K 3840 x 2160 OLED Touch, Intel Iris Xe Graphics, NVIDIA GeForce RTX 3060 (6GB GDDR6), WLAN, Webcam, Windows 11 Pro 64-bit

ASUS ZenBook Pro Duo 15 OLED UX582ZM-H2009X. Product type: Notebook, Form factor: Clamshell. Processor family: Intel® Core™ i9, Processor model: i9-12900H, Processor frequency: 2,5 GHz. Display diagonal: 39,6 cm (15.6"), HD type: 4K Ultra HD, Display resolution: 3840 x 2160 pixels, Touchscreen. Internal memory: 32 GB, Internal memory type: LPDDR5-SDRAM. Total storage capacity: 1000 GB, Storage media: SSD. Operating system installed: Windows 11 Pro. Product colour: Blue



Design		Network	
Colour name	Celestial Blue	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Product type *	Notebook	Wi-Fi standards	Wi-Fi 6 (802.11ax)
Product colour *	Blue	Mobile network connection *	✗
Form factor *	Clamshell	Antenna type	2x2
Market positioning	Home	Ethernet LAN	✗
Introduction year	2022	Bluetooth	✓
Display		Bluetooth version	5.0
Display diagonal *	39,6 cm (15.6")	Ports & interfaces	
Display resolution *	3840 x 2160 pixels	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
Touchscreen *	✓	HDMI ports quantity *	1
HD type	4K Ultra HD	HDMI version	2.1
Panel type	OLED	Thunderbolt 4 ports quantity	2
Native aspect ratio	16:9	Intel® Thunderbolt 4	✓
Display surface	Gloss	Combo headphone/mic port	✓
RGB colour space	DCI-P3	Charging port type	DC-in jack
Colour gamut	100%	USB Power Delivery	✓
Contrast ratio (typical)	1000000:1	Keyboard	
Processor		Pointing device	NumberPad
Processor manufacturer *	Intel	Numeric keypad *	✗
Processor generation	12th gen Intel® Core™ i9	Keyboard backlit	✓
Processor model *	i9-12900H	Software	
Processor family *	Intel® Core™ i9	Operating system architecture	64-bit
Processor frequency *	2,5 GHz	Trial software	1-month trial for new Microsoft 365 customers. Credit card required.
Processor boost frequency	5 GHz	Operating system installed *	Windows 11 Pro
Processor cores	14	Processor special features	
Processor cache	24 MB	Intel Flex Memory Access	✓
Configurable TDP-down	35 W		

Memory		Processor special features	
Internal memory *	32 GB	Intel Trusted Execution Technology	✓
Internal memory type	LPDDR5-SDRAM	Intel VT-x with Extended Page Tables (EPT)	✓
Memory form factor	On-board	Intel Stable Image Platform Program (SIPP)	✓
Maximum internal memory *	32 GB	Execute Disable Bit	✓
Storage		CPU configuration (max)	1
Total storage capacity *	1000 GB	Embedded options available	✗
Storage media *	SSD	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Total SSDs capacity	1000 GB	Intel Virtualization Technology (VT-x)	✓
Number of SSDs installed	1	Battery	
SSD capacity	1000 GB	Battery technology	Lithium-Ion (Li-Ion)
SSD interface	NVMe, PCI Express 4.0	Number of battery cells	8
NVMe	✓	Battery capacity *	92 Wh
SSD form factor	M.2	Power	
Optical drive type *	✗	AC adapter power	240 W
Card reader integrated	✗	AC adapter frequency	50 - 60 Hz
Graphics		AC adapter input voltage	100 - 240 V
Discrete GPU manufacturer	NVIDIA	AC adapter output current	12 A
Discrete graphics card model *	NVIDIA GeForce RTX 3060	AC adapter output voltage	20 V
On-board graphics card *	✓	Security	
Discrete graphics card *	✓	Windows Hello	✓
On-board graphics card model *	Intel Iris Xe Graphics	Trusted Platform Module (TPM)	✓
Discrete graphics card memory	6 GB	Weight & dimensions	
Discrete graphics memory type	GDDR6	Width	359,8 mm
Audio		Depth	249,2 mm
Audio system	Dolby Atmos	Height	21,5 mm
Speakers manufacturer	Harman Kardon	Weight *	2,34 kg
Built-in microphone	✓	Camera	
Front camera	✓	Front camera	✓
Front camera HD type	HD	Front camera HD type	HD
Infrared (IR) camera	✓	Infrared (IR) camera	✓



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