

ASUS Zenbook Duo UX8406CA-DS91T-CA Intel Core Ultra 9 285H Hybrid (2-in-1) 35.6 cm (14") Touchscreen WUXGA 16 GB LPDDR5x-SDRAM 1 TB SSD Wi-Fi 7 (802.11be) Windows 11 Home Grey



Brand : ASUS

Product family: Zenbook

Product code: 90NB14X1-M00AY0

Product name : UX8406CA-DS91T-CA

- Windows 11 Home 64-bit
- Intel Core Ultra 9 285H (24MB Cache)
- 35.6 cm (14") WUXGA 1920 x 1200 OLED Touch
- 16GB LPDDR5x-SDRAM & 1000GB SSD

Intel Core Ultra 9 285H (24MB Cache), 16GB LPDDR5x-SDRAM, 1000GB SSD, 35.6 cm (14") WUXGA 1920 x 1200 OLED Touch, Intel Arc 140T, WLAN, Webcam, Windows 11 Home 64-bit

ASUS Zenbook Duo UX8406CA-DS91T-CA. Product type: Hybrid (2-in-1), Form factor: Convertible (Detachable). Processor family: Intel Core Ultra 9, Processor model: 285H. Display diagonal: 35.6 cm (14"), HD type: WUXGA, Display resolution: 1920 x 1200 pixels, Touchscreen. Internal memory: 16 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel Arc 140T. Operating system installed: Windows 11 Home. Product colour: Grey

Design		Storage	
Colour name	Inkwell Gray	SSD capacity	1 TB
Product type *	Hybrid (2-in-1)	SSD interface	PCI Express 4.0
Product colour *	Grey	NVMe	✓
Form factor *	Convertible (Detachable)	SSD form factor	M.2
Housing material	Aluminium, Magnesium	Optical drive type *	✗
Market positioning	Home	Graphics	
Introduction year	2024	Discrete graphics card model *	Not available
Display		On-board graphics card *	✓
Display diagonal *	35.6 cm (14")	On-board GPU manufacturer	Intel
Display resolution *	1920 x 1200 pixels	Discrete graphics card *	✗
Touchscreen *	✓	On-board graphics card family	Intel Arc Graphics
HD type	WUXGA	On-board graphics card model *	Intel Arc 140T
Panel type	OLED	Audio	
Display number of colours	1.07 billion colours	Audio system	Smart Amp
Native aspect ratio	16:10	Speakers manufacturer	Harman Kardon
Display surface	Gloss	Built-in microphone	✓
Display brightness	400 cd/m ²	Camera	
Maximum display brightness (HDR)	500 cd/m ²	Front camera	✓
RGB colour space	DCI-P3	Front camera resolution	1920 x 1080 pixels
Colour gamut	100%	Front camera HD type	Full HD
Low Blue Light technology	✓	Infrared (IR) camera	✓
Display response rise/fall	0.2 ms	Network	
Maximum refresh rate	60 Hz	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Contrast ratio (typical)	1000000:1	Wi-Fi standards	Wi-Fi 7 (802.11be)
High Dynamic Range (HDR) supported	✓	Mobile network connection *	✗
High Dynamic Range (HDR) technology	HDR True Black 500	Antenna type	2x2
Processor		Ethernet LAN	✗
Processor manufacturer *	Intel	Bluetooth	✓
Processor family *	Intel Core Ultra 9	Bluetooth version	5.4
Processor generation	Intel Core Ultra (Series 2)		
Processor model *	285H		

Processor		Ports & interfaces	
Processor cores	16	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Processor threads	16	HDMI ports quantity *	1
Processor boost frequency	5.4 GHz	HDMI version	2.1
Performance cores	6	Thunderbolt 4 ports quantity	2
Efficient cores	8	Intel® Thunderbolt 4	✓
Low Power Efficient-cores	2	Combo headphone/mic port	✓
Performance-core Max Turbo Frequency	5.4 GHz	USB Type-C DisplayPort Alternate Mode	✓
Efficient-core Max Turbo Frequency	4.5 GHz	Performance	
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Repairability index	9.4
Performance-core base frequency	2.9 GHz	Keyboard	
Efficient-core base frequency	2.7 GHz	Pointing device	Touchpad
Low Power Efficient-core Base Frequency	1000 MHz	Numeric keypad *	✗
Processor cache	24 MB	Software	
Processor base power	45 W	Operating system architecture	64-bit
Maximum turbo power	115 W	Operating system installed *	Windows 11 Home
Neural processor unit (NPU)		Battery	
Neural processor unit (NPU)	Intel AI Boost	Battery technology	Lithium-Ion (Li-Ion)
Sparsity support	✓	Number of battery cells	4
Windows Studio effects support	✓	Battery capacity *	75 Wh
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Battery life (max)	8 h
Total processor performance up to	99 TOPs	Power	
NPU performance up to	13 TOPs	AC adapter power	65 W
GPU performance up to	77 TOPs	AC adapter frequency	50 - 60 Hz
Memory		AC adapter input voltage	100 - 240 V
Internal memory *	16 GB	AC adapter output current	3.25 A
Internal memory type	LPDDR5x-SDRAM	AC adapter output voltage	20 V
Memory form factor	On-board	USB Type-C charging port *	✓
Maximum internal memory *	16 GB	USB Power Delivery (USB PD)	✓
Storage		Security	
Total storage capacity *	1 TB	Face recognition	✓
Storage media *	SSD	Windows Hello	✓
Total SSDs capacity	1 TB	Trusted Platform Module (TPM)	✓
Number of SSDs installed	1	Sustainability	
		Sustainability certificates	ENERGY STAR, EPEAT Gold
		Weight & dimensions	
		Width	313.5 mm
		Depth	217.9 mm
		Height (front)	1.46 cm
		Height (rear)	1.99 cm
		Weight *	1.65 kg
		Packaging content	
		AC adapter included *	✓



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