

ASUS ExpertBook B5 B5405CCA-LY0125X Intel Core Ultra 5 225H Laptop 35.6 cm (14") WUXGA 16 GB DDR5-SDRAM 512 GB SSD Wi-Fi 7 (802.11be) Windows 11 Pro Grey

Brand : ASUS

Product family: ExpertBook

Product code: 90NX08I1-M00450

Product name : B5405CCA-LY0125X

- Windows 11 Pro 64-bit
- Intel Core Ultra 5 225H (18MB Cache)
- 35.6 cm (14") WUXGA 1920 x 1200
- 16GB DDR5-SDRAM (1 x 16) & 512GB SSD

Intel Core Ultra 5 225H (18MB Cache), 16GB DDR5-SDRAM, 512GB SSD, 35.6 cm (14") WUXGA 1920 x 1200, Intel Arc 130T, LAN, WLAN, Webcam, Windows 11 Pro 64-bit

ASUS ExpertBook B5 B5405CCA-LY0125X. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 5, Processor model: 225H. Display diagonal: 35.6 cm (14"), HD type: WUXGA, Display resolution: 1920 x 1200 pixels. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel Arc 130T. Operating system installed: Windows 11 Pro. Product colour: Grey



Design		Graphics	
Colour name	Gentle Grey	On-board GPU manufacturer	Intel
Product type *	Laptop	Discrete graphics card *	✗
Product colour *	Grey	On-board graphics card family	Intel Arc Graphics
Form factor *	Clamshell	On-board graphics card model *	Intel Arc 130T
Housing material	Aluminium	Audio	
Market positioning	Work	Audio system	Dirac
Introduction year	2025	Camera	
Display		Front camera	✓
Display diagonal *	35.6 cm (14")	Front camera resolution	1920 x 1080 pixels
Display resolution *	1920 x 1200 pixels	Front camera HD type	Full HD
Touchscreen *	✗	Infrared (IR) camera	✓
HD type	WUXGA	Privacy camera	✓
LED backlight	✓	Privacy type	Privacy shutter
Native aspect ratio	16:10	Network	
Anti-glare screen	✓	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Display brightness	300 cd/m ²	Wi-Fi standards	Wi-Fi 7 (802.11be)
RGB colour space	NTSC	Mobile network connection *	✗
Colour gamut	45%	Antenna type	2x2
Processor		Ethernet LAN	✓
Processor manufacturer *	Intel	Ethernet LAN data rates	10,100,1000 Mbit/s
Processor family *	Intel Core Ultra 5	Bluetooth	✓
Processor generation	Intel Core Ultra (Series 2)	Bluetooth version	5.4
Processor model *	225H	Ports & interfaces	
Processor cores	14	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor threads	14	Ethernet LAN (RJ-45) ports	1
Processor boost frequency	4.9 GHz	HDMI ports quantity *	1
Performance cores	4	HDMI version	2.1
Efficient cores	8	Thunderbolt 4 ports quantity	2
Low Power Efficient-cores	2	Intel® Thunderbolt 4	✓
Performance-core Max Turbo Frequency	4.9 GHz	Combo headphone/mic port	✓
Efficient-core Max Turbo Frequency	4.3 GHz	USB Type-C DisplayPort Alternate Mode	✓
Low Power Efficient-core Max Turbo Frequency	2.5 GHz		
Performance-core base frequency	1.7 GHz		

Processor		Keyboard	
Efficient-core base frequency	1.3 GHz	Pointing device	Touchpad
Low Power Efficient-core Base Frequency	700 MHz	Numeric keypad *	✗
Processor cache	18 MB	Keyboard backlit	✓
Processor base power	28 W	Software	
Maximum turbo power	115 W	Operating system architecture	64-bit
Neural processor unit (NPU)		Operating system installed *	Windows 11 Pro
Neural processor unit (NPU)	Intel AI Boost	Battery	
Sparsity support	✓	Battery technology	Lithium-Ion (Li-Ion)
Windows Studio effects support	✓	Number of battery cells	3
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Battery capacity *	50 Wh
Total processor performance up to	83 TOPs	Power	
NPU performance up to	13 TOPs	AC adapter power	65 W
GPU performance up to	63 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	DDR5-SDRAM	AC adapter output voltage	20 V
Memory form factor	SO-DIMM	USB Type-C charging port *	✓
Memory layout (slots x size)	1 x 16 GB	USB Power Delivery (USB PD)	✓
Memory slots	2x SO-DIMM	Security	
Storage		Cable lock slot	✓
Total storage capacity *	512 GB	Cable lock slot type	Kensington
Storage media *	SSD	Fingerprint reader	✓
Total SSDs capacity	512 GB	Face recognition	✓
Number of SSDs installed	1	Windows Hello	✓
SSD capacity	512 GB	Trusted Platform Module (TPM)	✓
SSD interface	PCI Express 4.0	Trusted Platform Module (TPM) version	2.0
NVMe	✓	Password protection	✓
SSD form factor	M.2	Password protection type	BIOS, HDD, User
M.2 SSD size	2280 (22 x 80 mm)	Certificates	
Optical drive type *	✗	Compliance certificates	REACH
Card reader integrated	✓	Sustainability	
Compatible memory cards	MicroSD (TransFlash)	Sustainability certificates	ENERGY STAR, EPEAT Climate +, EPEAT Gold, Forest Stewardship Council (FSC) Recycled
Graphics		Weight & dimensions	
Discrete graphics card model *	Not available	Width	315.1 mm
On-board graphics card *	✓	Depth	226.8 mm
		Height (front)	1.75 cm
		Height (rear)	1.79 cm
		Packaging content	
		AC adapter included *	✓

Catalog Object Cloud



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