

ASUS ExpertBook B3 B3405CCA-LY0105X Intel Core Ultra 5 125H Laptop 35.6 cm (14") WUXGA 16 GB DDR5-SDRAM 512 GB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Grey



Brand : ASUS

Product family: ExpertBook

Product code: 90NX08L1-M003H0

Product name : B3405CCA-LY0105X

- Windows 11 Pro 64-bit
- Intel Core Ultra 5 125H (18MB Cache)
- 35.6 cm (14") WUXGA 1920 x 1200
- 16GB DDR5-SDRAM (1 x 16) & 512GB SSD

Intel Core Ultra 5 125H (18MB Cache), 16GB DDR5-SDRAM, 512GB SSD, 35.6 cm (14") WUXGA 1920 x 1200, Intel Arc Graphics, LAN, WLAN, Webcam, Windows 11 Pro 64-bit

ASUS ExpertBook B3 B3405CCA-LY0105X. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 5, Processor model: 125H. 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 Graphics. Operating system installed: Windows 11 Pro. Product colour: Grey

Design		Graphics	
Colour name	Gentle Grey	On-board graphics card family	Intel Arc Graphics
Product type *	Laptop	On-board graphics card model *	Intel Arc Graphics
Product colour *	Grey	Audio	
Form factor *	Clamshell	Audio system	Dirac
Housing material	Aluminium, Plastic	Built-in microphone	✓
Market positioning	Work	Camera	
Introduction year	2025	Front camera	✓
Display		Front camera resolution	1920 x 1080 pixels
Display diagonal *	35.6 cm (14")	Front camera HD type	Full HD
Display resolution *	1920 x 1200 pixels	Infrared (IR) camera	✓
Touchscreen *	✗	Privacy camera	✓
HD type	WUXGA	Privacy type	Privacy shutter
LED backlight	✓	Network	
Native aspect ratio	16:10	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Anti-glare screen	✓	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Display brightness	300 cd/m²	Mobile network connection *	✗
RGB colour space	NTSC	Antenna type	2x2
Colour gamut	45%	Ethernet LAN	✓
Processor		Ethernet LAN data rates	10,100,1000 Mbit/s
Processor manufacturer *	Intel	Bluetooth	✓
Processor family *	Intel Core Ultra 5	Bluetooth version	5.4
Processor generation	Intel® Core™ Ultra (Series 1)	Ports & interfaces	
Processor model *	125H	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor cores	14	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Processor threads	18	Ethernet LAN (RJ-45) ports	1
Processor boost frequency	4.5 GHz	HDMI ports quantity *	1
Performance cores	4	HDMI version	2.1
Efficient cores	8	Combo headphone/mic port	✓
Low Power Efficient-cores	2	USB Type-C DisplayPort Alternate Mode	✓
Performance-core Max Turbo Frequency	4.5 GHz		
Efficient-core Max Turbo Frequency	3.6 GHz		
Low Power Efficient-core Max Turbo Frequency	2.5 GHz		

Processor		Keyboard	
Performance-core base frequency	1.2 GHz	Pointing device	Touchpad
Efficient-core base frequency	0.7 GHz	Numeric keypad *	✗
Low Power Efficient-core Base Frequency	700 MHz	Keyboard backlit	✓
Processor cache	18 MB	Spill-resistant keyboard	✓
Processor cache type	Smart Cache	Software	
Processor base power	28 W	Operating system architecture	64-bit
Maximum turbo power	115 W	Operating system installed *	Windows 11 Pro
Neural processor unit (NPU)		Battery	
Neural processor unit (NPU)	Intel AI Boost	Battery technology	Lithium-Ion (Li-Ion)
Sparsity support	✓	Number of battery cells	3
Windows Studio effects support	✓	Battery capacity *	50 Wh
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Power	
Memory		AC adapter power	65 W
Internal memory *	16 GB	AC adapter frequency	50 - 60 Hz
Internal memory type	DDR5-SDRAM	AC adapter input voltage	100 - 240 V
Memory form factor	SO-DIMM	AC adapter output current	3.25 A
Memory layout (slots x size)	1 x 16 GB	AC adapter output voltage	20 V
Memory slots	2x SO-DIMM	USB Type-C charging port *	✓
Maximum internal memory *	64 GB	USB Power Delivery (USB PD)	✓
Storage		Security	
Total storage capacity *	512 GB	Cable lock slot	✓
Storage media *	SSD	Cable lock slot type	Kensington
Total SSDs capacity	512 GB	Fingerprint reader	✓
Number of SSDs installed	1	Smart card reader	✓
SSD capacity	512 GB	Face recognition	✓
SSD interface	PCI Express 4.0	Windows Hello	✓
NVMe	✓	Trusted Platform Module (TPM)	✓
SSD form factor	M.2	Trusted Platform Module (TPM) version	2.0
M.2 SSD size	2280 (22 x 80 mm)	Password protection	✓
Optical drive type *	✗	Password protection type	BIOS, HDD, User
Card reader integrated	✓	Certificates	
Compatible memory cards	MicroSD (TransFlash)	Compliance certificates	REACH
Graphics		Sustainability	
Discrete graphics card model *	Not available	Sustainability certificates	ENERGY STAR, EPEAT Climate +, Forest Stewardship Council (FSC) Recycled, TCO
On-board graphics card *	✓	Weight & dimensions	
On-board GPU manufacturer	Intel	Width	315.1 mm
Discrete graphics card *	✗	Depth	226.8 mm
		Height (front)	1.89 cm
		Height (rear)	1.9 cm
		Packaging content	
		AC adapter included *	✓



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