

ASUS ExpertBook B5 B5405CC-LYU715X Intel Core Ultra 7 255H Laptop 35.6 cm (14") WUXGA 16 GB DDR5-SDRAM 512 GB SSD Wi-Fi 7 (802.11be) Windows 11 Pro Black



Brand : ASUS

Product family: ExpertBook

Product code: 90NX08I1-M00110

Product name : B5405CC-LYU715X

- Windows 11 Pro - ASUS recommends Windows 11 Pro for business
- 14-inch AI PC powered by Intel Core Ultra 7 processor (Series 2)
- ASUS ExpertGuardian with enterprise-grade security
- Flexible configurations to streamline IT management
- Digital Product Passport for the evolution of the circular economy

Intel Core Ultra 7 255H (24MB Cache), 16GB DDR5-SDRAM, 512GB SSD, 35.6 cm (14") WUXGA 1920 x 1200, Intel Arc 140T, LAN, WLAN, Webcam, Windows 11 Pro 64-bit
 ASUS ExpertBook B5 B5405CC-LYU715X. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 255H. 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 140T. Operating system installed: Windows 11 Pro. Product colour: Black. Weight: 1.44 kg

Design		Graphics	
Colour name	Gentle Grey	On-board graphics card family	Intel Arc Graphics
Product type *	Laptop	On-board graphics card model *	Intel Arc 140T
Product colour *	Black	Audio	
Form factor *	Clamshell	Audio system	Dirac
Housing material	Aluminium	Camera	
Market positioning	Work	Front camera	✓
Introduction year	2025	Front camera resolution	1920 x 1080 pixels
Display		Front camera HD type	Full HD
Display diagonal *	35.6 cm (14")	Infrared (IR) camera	✓
Display resolution *	1920 x 1200 pixels	Privacy camera	✓
Touchscreen *	✗	Privacy type	Privacy shutter
HD type	WUXGA	Network	
LED backlight	✓	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Native aspect ratio	16:10	Wi-Fi standards	Wi-Fi 7 (802.11be)
Anti-glare screen	✓	Mobile network connection *	✗
Display brightness	300 cd/m²	Antenna type	2x2
RGB colour space	NTSC	Ethernet LAN	✓
Colour gamut	45%	Ethernet LAN data rates	10,100,1000 Mbit/s
Maximum refresh rate	60 Hz	Bluetooth	✓
Contrast ratio (typical)	1000:1	Bluetooth version	5.4
Processor		Ports & interfaces	
Processor manufacturer *	Intel	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Processor family *	Intel Core Ultra 7	Ethernet LAN (RJ-45) ports	1
Processor generation	Intel Core Ultra (Series 2)	HDMI ports quantity *	1
Processor model *	255H	HDMI version	2.1
Processor cores	16	Thunderbolt 4 ports quantity	2
Processor threads	16	Intel® Thunderbolt 4	✓
Processor boost frequency	5.1 GHz	Combo headphone/mic port	✓
Performance cores	6	USB Type-C DisplayPort Alternate Mode	✓
Efficient cores	8		
Low Power Efficient-cores	2		
Performance-core Max Turbo Frequency	5.1 GHz		
Efficient-core Max Turbo Frequency	4.4 GHz		

Processor		Performance	
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Repairability index	9.7
Performance-core base frequency	2 GHz	Keyboard	
Efficient-core base frequency	1.5 GHz	Pointing device	Touchpad
Low Power Efficient-core Base Frequency	700 MHz	Numeric keypad *	✗
Processor cache	24 MB	Keyboard backlit	✓
Processor base power	28 W	Software	
Maximum turbo power	115 W	Operating system architecture	64-bit
Neural processor unit (NPU)		Trial software	1-month trial for new Microsoft 365 customers
Neural processor unit (NPU)	Intel AI Boost	Operating system installed *	Windows 11 Pro
Sparsity support	✓	Battery	
Windows Studio effects support	✓	Battery technology	Lithium-Ion (Li-Ion)
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Number of battery cells	3
Total processor performance up to	96 TOPs	Battery capacity *	63 Wh
NPU performance up to	13 TOPs	Power	
GPU performance up to	74 TOPs	AC adapter power	65 W
Memory		AC adapter frequency	50 - 60 Hz
Internal memory *	16 GB	AC adapter input voltage	100 - 240 V
Internal memory type	DDR5-SDRAM	AC adapter output current	3.25 A
Memory form factor	SO-DIMM	AC adapter output voltage	20 V
Memory layout (slots x size)	1 x 16 GB	USB Type-C charging port *	✓
Memory slots	2x SO-DIMM	USB Type-C required charging power (min) *	55 W
Storage		USB Type-C required charging power (max) *	65 W
Total storage capacity *	512 GB	USB Power Delivery (USB PD)	✓
Storage media *	SSD	Security	
Total SSDs capacity	512 GB	Cable lock slot	✓
Number of SSDs installed	1	Cable lock slot type	Kensington
SSD capacity	512 GB	Fingerprint reader	✓
SSD interface	PCI Express 4.0	Smart card reader	✓
NVMe	✓	Face recognition	✓
SSD form factor	M.2	Windows Hello	✓
M.2 SSD size	2280 (22 x 80 mm)	Trusted Platform Module (TPM)	✓
Optical drive type *	✗	Trusted Platform Module (TPM) version	2.0
Card reader integrated	✓	Password protection	✓
Compatible memory cards	MicroSD (TransFlash)	Password protection type	BIOS, HDD, User
Graphics		Certificates	
Discrete graphics card model *	Not available	Compliance certificates	REACH
On-board graphics card *	✓	Sustainability	
On-board GPU manufacturer	Intel	Sustainability certificates	ENERGY STAR, EPEAT Climate +, EPEAT Gold, Forest Stewardship Council (FSC) Recycled
Discrete graphics card *	✗	Weight & dimensions	
		Width	315.1 mm
		Depth	226.8 mm
		Height (front)	1.75 cm
		Height (rear)	1.79 cm
		Weight *	1.44 kg
		Packaging content	
		AC adapter included *	✓



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Catalog Object Cloud



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