

ASUS ExpertBook B5 B5605CCA-PL0034X Intel Core Ultra 5 225H Laptop 40.6 cm (16") WQXGA 16 GB DDR5-SDRAM 512 GB SSD Wi-Fi 7 (802.11be) Windows 11 Pro German Grey

Brand : ASUS

Product family: ExpertBook

Product code: 90NX08F1-M00150

Product name : B5605CCA-PL0034X

- Windows 11 Pro 64-bit
- Intel Core Ultra 5 225H (18MB Cache)
- 40.6 cm (16") WQXGA 2560 x 1600 IPS
- 16GB DDR5-SDRAM (1 x 16) & 512GB SSD

Intel Core Ultra 5 225H (18MB Cache), 16GB DDR5-SDRAM, 512GB SSD, 40.6 cm (16") WQXGA 2560 x 1600 IPS, Intel Arc 130T, LAN, WLAN, Webcam, Windows 11 Pro 64-bit

ASUS ExpertBook B5 B5605CCA-PL0034X. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 5, Processor model: 225H. Display diagonal: 40.6 cm (16"), HD type: WQXGA, Display resolution: 2560 x 1600 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. Weight: 1.74 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 130T
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 *	40.6 cm (16")	Front camera HD type	Full HD
Display resolution *	2560 x 1600 pixels	Infrared (IR) camera	✓
Touchscreen *	✗	Privacy camera	✓
HD type	WQXGA	Privacy type	Privacy shutter
Panel type	IPS	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	400 cd/m ²	Antenna type	2x2
Maximum display brightness (HDR)	550 cd/m ²	Ethernet LAN	✓
RGB colour space	sRGB	Ethernet LAN data rates	10,100,1000 Mbit/s
Colour gamut	100%	Bluetooth	✓
Maximum refresh rate	120 Hz	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 5	Ethernet LAN (RJ-45) ports	1
Processor generation	Intel Core Ultra (Series 2)	HDMI ports quantity *	1
Processor model *	225H	HDMI version	2.1
Processor cores	14	Thunderbolt 4 ports quantity	2
Processor threads	14	Intel® Thunderbolt 4	✓
Processor boost frequency	4.9 GHz	Combo headphone/mic port	✓
Performance cores	4	USB Type-C DisplayPort Alternate Mode	✓
Efficient cores	8		
Low Power Efficient-cores	2		
Performance-core Max Turbo Frequency	4.9 GHz		
Efficient-core Max Turbo Frequency	4.3 GHz		

Processor		Performance	
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Repairability index	9.7
Performance-core base frequency	1.7 GHz	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	Keyboard layout	QWERTZ
Maximum turbo power	115 W	Keyboard language	German
Neural processor unit (NPU)		Software	
Neural processor unit (NPU)	Intel AI Boost	Operating system architecture	64-bit
Sparsity support	✓	Operating system installed *	Windows 11 Pro
Windows Studio effects support	✓	Battery	
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Battery technology	Lithium-Ion (Li-Ion)
Total processor performance up to	83 TOPs	Number of battery cells	3
NPU performance up to	13 TOPs	Battery capacity *	50 Wh
GPU performance up to	63 TOPs	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 *	✓
Storage		USB Power Delivery (USB PD)	✓
Total storage capacity *	512 GB	Security	
Storage media *	SSD	Cable lock slot	✓
Total SSDs capacity	512 GB	Cable lock slot type	Kensington
Number of SSDs installed	1	Fingerprint 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 +, EPEAT Gold, Forest Stewardship Council (FSC) Recycled, TCO
On-board graphics card *	✓	Weight & dimensions	
On-board GPU manufacturer	Intel	Width	358.4 mm
Discrete graphics card *	✗	Depth	253.9 mm
		Height (front)	1.75 cm
		Height (rear)	1.79 cm
		Weight *	1.74 kg
		Packaging data	
		Package width	481 mm
		Package depth	65 mm
		Package height	288 mm
		Package weight	1.99 kg
		Packaging content	
		AC adapter included *	✓



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