

ASUS ExpertBook B3 B3605CCA-MB0054X Intel Core Ultra 7 155H Laptop 40.6 cm (16") WUXGA 16 GB DDR5-SDRAM 1 TB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro German Black, Grey

Brand : ASUS

Product family: ExpertBook

Product code: 90NX08N1-M001W0

Product name : B3605CCA-MB0054X

- Windows 11 Pro 64-bit
- Intel Core Ultra 7 155H (24MB Cache)
- 40.6 cm (16") WUXGA 1920 x 1200 IPS-Level
- 16GB DDR5-SDRAM (1 x 16) & 1000GB SSD

Intel Core Ultra 7 155H (24MB Cache), 16GB DDR5-SDRAM, 1000GB SSD, 40.6 cm (16") WUXGA 1920 x 1200 IPS-Level, Intel Arc Graphics, LAN, WLAN, Webcam, Windows 11 Pro 64-bit

ASUS ExpertBook B3 B3605CCA-MB0054X. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 155H. Display diagonal: 40.6 cm (16"), HD type: WUXGA, Display resolution: 1920 x 1200 pixels. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel Arc Graphics. Operating system installed: Windows 11 Pro. Product colour: Black, Grey. Weight: 1.79 kg



Design		Audio	
Colour name	Gentle Grey	Audio system	Dirac
Product type *	Laptop	Built-in microphone	✓
Product colour *	Black, Grey	Camera	
Form factor *	Clamshell	Front camera	✓
Housing material	Aluminium, Plastic	Front camera resolution	1920 x 1080 pixels
Market positioning	Work	Front camera HD type	Full HD
Introduction year	2025	Privacy camera	✓
Display		Privacy type	Privacy shutter
Display diagonal *	40.6 cm (16")	Network	
Display resolution *	1920 x 1200 pixels	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Touchscreen *	✗	Wi-Fi standards	Wi-Fi 6E (802.11ax)
HD type	WUXGA	Mobile network connection *	✗
Panel type	IPS-Level	Antenna type	2x2
LED backlight	✓	Ethernet LAN	✓
Native aspect ratio	16:10	Ethernet LAN data rates	10,100,1000 Mbit/s
Anti-glare screen	✓	Bluetooth	✓
Display brightness	300 cd/m²	Bluetooth version	5.3
RGB colour space	NTSC	Ports & interfaces	
Colour gamut	45%	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor		USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Processor manufacturer *	Intel	Ethernet LAN (RJ-45) ports	1
Processor family *	Intel Core Ultra 7	HDMI ports quantity *	1
Processor generation	Intel® Core™ Ultra (Series 1)	HDMI version	2.1
Processor model *	155H	Combo headphone/mic port	✓
Processor cores	16		
Processor threads	22		
Processor boost frequency	4.8 GHz		
Performance cores	6		

Processor		Ports & interfaces	
Efficient cores	8	USB Type-C DisplayPort Alternate Mode	✓
Low Power Efficient-cores	2	Performance	
Performance-core Max Turbo Frequency	4.8 GHz	Repairability index	9.7
Efficient-core Max Turbo Frequency	3.8 GHz	Keyboard	
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Pointing device	Touchpad
Performance-core base frequency	1.4 GHz	Numeric keypad *	✓
Efficient-core base frequency	0.9 GHz	Keyboard backlit	✓
Low Power Efficient-core Base Frequency	700 MHz	Spill-resistant keyboard	✓
Processor cache	24 MB	Keyboard layout	QWERTZ
Processor cache type	Smart Cache	Keyboard language	German
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, ONNX RT, OpenVINO, Windows ML	Battery capacity *	50 Wh
Memory		Power	
Internal memory *	16 GB	AC adapter power	65 W
Internal memory type	DDR5-SDRAM	AC adapter frequency	50 - 60 Hz
Memory form factor	SO-DIMM	AC adapter input voltage	100 - 240 V
Memory layout (slots x size)	1 x 16 GB	AC adapter output current	3.25 A
Memory slots	2x SO-DIMM	AC adapter output voltage	20 V
Maximum internal memory *	64 GB	USB Type-C charging port *	✓
Storage		USB Power Delivery (USB PD)	✓
Total storage capacity *	1 TB	Security	
Storage media *	SSD	Cable lock slot	✓
Total SSDs capacity	1 TB	Cable lock slot type	Kensington
Number of SSDs installed	1	Fingerprint reader	✓
SSD capacity	1 TB	Smart card reader	✓
SSD interface	PCI Express 4.0	Trusted Platform Module (TPM)	✓
NVMe	✓	Trusted Platform Module (TPM) version	2.0
SSD form factor	M.2	Password protection	✓
M.2 SSD size	2280 (22 x 80 mm)	Password protection type	BIOS, HDD, User
Optical drive type *	✗	Certificates	
Card reader integrated	✓	Compliance certificates	REACH
Compatible memory cards	MicroSD (TransFlash)	Sustainability	
Graphics		Sustainability certificates	ENERGY STAR, EPEAT Climate +, Forest Stewardship Council (FSC) Recycled, TCO
Discrete graphics card model *	Not available	Weight & dimensions	
On-board graphics card *	✓	Width	358.4 mm
On-board GPU manufacturer	Intel	Depth	253.9 mm
Discrete graphics card *	✗	Height (front)	1.89 cm
On-board graphics card family	Intel Arc Graphics	Height (rear)	1.9 cm
On-board graphics card model *	Intel Arc Graphics	Weight *	1.79 kg
		Packaging data	
		Package width	481 mm
		Package depth	65 mm
		Package height	288 mm
		Package weight	2.04 kg
		Packaging content	

Packaging content

AC adapter included *





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