

ASUS ExpertBook B5 B5605CC-MBU715X Intel Core Ultra 7 255H Laptop 40.6 cm (16") WUXGA 16 GB DDR5-SDRAM 512 GB SSD Wi-Fi 7 (802.11be) Windows 11 Pro Grey

Brand : ASUS

Product family: ExpertBook

Product code: 90NX08F1-M009T0

Product name : B5605CC-MBU715X



- Windows 11 Pro - ASUS recommends Windows 11 Pro for business
- 16-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, 40.6 cm (16") WUXGA 1920 x 1200, Intel Arc 140T, LAN, WLAN, Webcam, Windows 11 Pro 64-bit
ASUS ExpertBook B5 B5605CC-MBU715X. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 255H. 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: 512 GB, Storage media: SSD. On-board graphics card model: Intel Arc 140T. Operating system installed: Windows 11 Pro. Product colour: Grey. Weight: 1.77 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 *	Grey	Audio	
Form factor *	Clamshell	Audio system	Dirac
Housing material	Aluminium	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 *	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 7 (802.11be)
Anti-glare screen	✓	Wi-Fi standards	Wi-Fi 7 (802.11be)
Display brightness	300 cd/m ²	Mobile network connection *	✗
RGB colour space	NTSC	Antenna type	2x2
Colour gamut	45%	Ethernet LAN	✓
Maximum refresh rate	60 Hz	Ethernet LAN data rates	10,100,1000 Mbit/s
Contrast ratio (typical)	1000:1	Bluetooth	✓
Processor		Bluetooth version	5.4
Processor manufacturer *	Intel	Ports & interfaces	
Processor family *	Intel Core Ultra 7	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Processor generation	Intel Core Ultra (Series 2)	Ethernet LAN (RJ-45) ports	1
Processor model *	255H	HDMI ports quantity *	1
Processor cores	16		
Processor threads	16		
Processor boost frequency	5.1 GHz		

Processor		Ports & interfaces	
Performance cores	6	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	5.1 GHz	Combo headphone/mic port	✔
Efficient-core Max Turbo Frequency	4.4 GHz	USB Type-C DisplayPort Alternate Mode	✔
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Keyboard	
Performance-core base frequency	2 GHz	Pointing device	Touchpad
Efficient-core base frequency	1.5 GHz	Numeric keypad *	✔
Low Power Efficient-core Base Frequency	700 MHz	Keyboard backlit	✔
Processor cache	24 MB	Spill-resistant keyboard	✔
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, TCO
Discrete graphics card *	✗	Weight & dimensions	
		Width	358.4 mm
		Depth	253.9 mm
		Height (front)	1.75 cm
		Height (rear)	1.79 cm
		Weight *	1.77 kg

Packaging content

AC adapter included *





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Catalog Object Cloud



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