

ASUS ExpertBook B5 B5605CCA-MB0841X 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 Black, Grey QWERTY US International



Brand : ASUS

Product family: ExpertBook

Product code: 90NX08F1-M00YT0

Product name : B5605CCA-MB0841X

- Windows 11 Pro - ASUS recommends Windows 11 Pro for business
- 16-inch AI PC powered by up to Intel vPro® with 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, 16" WUXGA 1920 x 1200, Intel Arc 140T, LAN, WLAN, Webcam, Windows 11 Pro 64-bit

ASUS ExpertBook B5 B5605CCA-MB0841X. 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: Black, Grey. Weight: 1.79 kg

Design		Graphics	
Colour name	Gentle Grey	On-board GPU manufacturer	Intel
Product type *	Laptop	Discrete graphics card *	✗
Product colour *	Black, Grey	On-board graphics card family	Intel Arc Graphics
Form factor *	Clamshell	On-board graphics card model *	Intel Arc 140T
Market positioning	Work	Audio	
Certified refurbished	✗	Audio system	Dirac
Display		Built-in microphone	✓
Display diagonal *	40.6 cm (16")	Camera	
Display resolution *	1920 x 1200 pixels	Front camera	✓
Touchscreen *	✗	Front camera resolution	1920 x 1080 pixels
HD type	WUXGA	Front camera HD type	Full HD
LED backlight	✓	Infrared (IR) camera	✓
Native aspect ratio	16:10	Network	
Anti-glare screen	✓	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Display brightness	300 cd/m²	Wi-Fi standards	Wi-Fi 7 (802.11be)
RGB colour space	NTSC	Mobile network connection *	✗
Colour gamut	45%	Antenna type	2x2
Maximum refresh rate	60 Hz	Ethernet LAN	✓
Processor		Ethernet LAN data rates	10,100,1000 Mbit/s
Processor manufacturer *	Intel	Bluetooth	✓
Processor family *	Intel Core Ultra 7	Bluetooth version	5.4
Processor generation	Intel Core Ultra (Series 2)	Ports & interfaces	
Processor model *	255H	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor cores	16	Ethernet LAN (RJ-45) ports	1
Processor threads	16	HDMI ports quantity *	1
Processor boost frequency	5.1 GHz	HDMI version	2.1
Performance cores	6	Thunderbolt 4 ports quantity	2
Efficient cores	8	Intel® Thunderbolt 4	✓
Low Power Efficient-cores	2	Combo headphone/mic port	✓
Performance-core Max Turbo Frequency	5.1 GHz	SmartCard slot	✓
Efficient-core Max Turbo Frequency	4.4 GHz		

Processor		Ports & interfaces	
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	USB Type-C DisplayPort Alternate Mode	✓
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 cache type	Smart Cache	Keyboard layout	QWERTY
Processor socket	BGA 2049	Keyboard language	US International
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
Copilot+ PC	✗	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 *	63 Wh
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Power	
Total processor performance up to	96 TOPs	AC adapter power	65 W
NPU performance up to	13 TOPs	AC adapter frequency	50 - 60 Hz
GPU performance up to	74 TOPs	AC adapter input voltage	100 - 240 V
Memory		AC adapter output current	3.25 A
Internal memory *	16 GB	AC adapter output voltage	20 V
Internal memory type	DDR5-SDRAM	USB Type-C charging port *	✓
Memory form factor	SO-DIMM	USB Power Delivery (USB PD)	✓
Memory slots	2x SO-DIMM	Security	
Maximum internal memory *	64 GB	Cable lock slot	✓
Storage		Cable lock slot type	Kensington
Total storage capacity *	512 GB	Fingerprint reader	✓
Storage media *	SSD	Smart card reader	✓
Total SSDs capacity	512 GB	Face recognition	✓
Number of SSDs installed	1	Windows Hello	✓
SSD capacity	512 GB	Trusted Platform Module (TPM)	✓
SSD interface	PCI Express 4.0	Trusted Platform Module (TPM) version	2.0
NVMe	✓	Password protection	✓
SSD form factor	M.2	Password protection type	BIOS, HDD, User
Optical drive type *	✗	Certificates	
Card reader integrated	✓	Compliance certificates	REACH
Compatible memory cards	MicroSD (TransFlash)	Certification	US MIL-STD 810H military-grade standard
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	
		Width	358.4 mm
		Depth	253.9 mm
		Height (front)	1 cm
		Height (rear)	1.8 cm
		Weight *	1.79 kg



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Catalog Object Cloud



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