

ASUS ExpertBook B5 B5605CCA-MB0015X 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 US International Black, Grey



Brand : ASUS

Product family: ExpertBook

Product code: 90NX08F1-M000F0

Product name : B5605CCA-MB0015X

- 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, 40.6 cm (16") WUXGA 1920 x 1200, Intel Arc 140T, LAN, WLAN, Webcam, Windows 11 Pro 64-bit
ASUS ExpertBook B5 B5605CCA-MB0015X. 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: 1.75 kg

Design		Graphics	
Colour name	Gentle Grey	On-board graphics card model *	Intel Arc 140T
Product type *	Laptop	Audio	
Product colour *	Black, Grey	Audio system	Dirac
Form factor *	Clamshell	Built-in microphone	✓
Housing material	Aluminium	Camera	
Market positioning	Work	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/m²	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
Processor		Bluetooth	✓
Processor manufacturer *	Intel	Bluetooth version	5.4
Processor family *	Intel Core Ultra 7	Ports & interfaces	
Processor generation	Intel Core Ultra (Series 2)	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Processor model *	255H	Ethernet LAN (RJ-45) ports	1
Processor cores	16	HDMI ports quantity *	1
Processor threads	16	HDMI version	2.1
Processor boost frequency	5.1 GHz	Thunderbolt 4 ports quantity	2
Performance cores	6	Intel® Thunderbolt 4	✓
Efficient cores	8	Combo headphone/mic port	✓
Low Power Efficient-cores	2	USB Type-C DisplayPort Alternate Mode	✓
Performance-core Max Turbo Frequency	5.1 GHz		
Efficient-core Max Turbo Frequency	4.4 GHz		
Low Power Efficient-core Max Turbo Frequency	2.5 GHz		

Processor		Performance	
Performance-core base frequency	2 GHz	Repairability index	9.7
Efficient-core base frequency	1.5 GHz	Keyboard	
Low Power Efficient-core Base Frequency	700 MHz	Pointing device	Touchpad
Processor cache	24 MB	Numeric keypad *	✓
Processor base power	28 W	Keyboard backlit	✓
Maximum turbo power	115 W	Keyboard layout	QWERTY
Neural processor unit (NPU)		Keyboard language	US International
Neural processor unit (NPU)	Intel AI Boost	Software	
Sparsity support	✓	Operating system architecture	64-bit
Windows Studio effects support	✓	Trial software	1-month trial for new Microsoft 365 customers. Credit card required.
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Operating system installed *	Windows 11 Pro
Total processor performance up to	96 TOPs	Battery	
NPU performance up to	13 TOPs	Battery technology	Lithium-Ion (Li-Ion)
GPU performance up to	74 TOPs	Number of battery cells	3
Memory		Battery capacity *	63 Wh
Internal memory *	16 GB	Power	
Internal memory type	DDR5-SDRAM	AC adapter power	65 W
Memory form factor	SO-DIMM	AC adapter frequency	50 - 60 Hz
Memory slots	2x SO-DIMM	AC adapter input voltage	100 - 240 V
Maximum internal memory *	64 GB	AC adapter output current	3.25 A
Storage		AC adapter output voltage	20 V
Total storage capacity *	512 GB	USB Type-C charging port *	✓
Storage media *	SSD	USB Power Delivery (USB PD)	✓
Total SSDs capacity	512 GB	Security	
Number of SSDs installed	1	Cable lock slot	✓
SSD capacity	512 GB	Cable lock slot type	Kensington
SSD interface	PCI Express 4.0	Fingerprint reader	✓
NVMe	✓	Face recognition	✓
SSD form factor	M.2	Windows Hello	✓
Optical drive type *	✗	Trusted Platform Module (TPM)	✓
Card reader integrated	✓	Trusted Platform Module (TPM) version	2.0
Compatible memory cards	MicroSD (TransFlash)	Password protection	✓
Graphics		Password protection type	BIOS, HDD, User
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)	1.75 cm
On-board graphics card family	Intel Arc Graphics	Height (rear)	1.79 cm
		Weight *	1.75 kg
		Packaging data	
		Package width	481 mm
		Package depth	65 mm
		Package height	288 mm
		Package weight	2.96 kg
		Packaging content	
		AC adapter included *	✓



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Catalog Object Cloud



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