

ASUS ExpertBook B5 B5604CMA-QVU715X Intel Core Ultra 7 155U Laptop 40.6 cm (16") Touchscreen WUXGA 16 GB DDR5-SDRAM 512 GB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Black

Brand : ASUS

Product family: ExpertBook

Product code: 90NX0751-M00760

Product name : B5604CMA-QVU715X



- Windows 11 Pro - ASUS recommends Windows 11 Pro for business
- Intel Core Ultra 7 processor
- Dedicated Copilot key for more AI exploration
- Intel Graphics
- Ultrafast WiFi 6E
- 1.95 kg light
- SO-DIMM DDR5
- SSD RAID 512 GB capacity

Intel Core Ultra 7 155U (12MB Cache), 16GB DDR5-SDRAM, 512GB SSD, 40.6 cm (16") WUXGA 1920 x 1200 Touch, Intel Graphics, LAN, WLAN, Webcam, Windows 11 Pro 64-bit

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Business excellence, anywhere you work

ASUS ExpertBook B5 is the perfect on-the-go companion for forward-thinking professionals. It's an ultralight, AI-ready marvel that combines the latest Intel® Core™ Ultra processor with Intel vPro® and discrete NVIDIA® graphics¹, ushering in a new era of productivity — plus a taller 16:10 touchscreen² for deeper immersion. With AI-powered features like an intelligent camera and noise cancellation plus seamless WiFi 7³ and 4G connectivity⁴, everyday business is smarter, faster and smoother. ExpertBook B5 equips you for effective, enjoyable work — everywhere you go.



Design		Graphics	
Colour name	Star Black	On-board GPU manufacturer	Intel
Product type *	Laptop	Discrete graphics card *	✗
Product colour *	Black	On-board graphics card family	Intel Graphics
Form factor *	Clamshell	On-board graphics card model *	Intel Graphics
Housing material	Aluminium, Magnesium	Audio	
Market positioning	Work	Audio system	Dolby Atmos
Introduction year	2024	Built-in microphone	✓
Display		Camera	
Display diagonal *	40.6 cm (16")	Front camera	✓
Display resolution *	1920 x 1200 pixels	Front camera resolution	1920 x 1080 pixels
Touchscreen *	✓	Front camera HD type	Full HD
HD type	WUXGA	Privacy camera	✓
LED backlight	✓	Privacy type	Privacy shutter
Native aspect ratio	16:10	Network	
Anti-glare screen	✓	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Display brightness	300 cd/m ²	Wi-Fi standards	Wi-Fi 6E (802.11ax)
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	5.3
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 1)	Ethernet LAN (RJ-45) ports	1
Processor model *	155U	HDMI ports quantity *	1
Processor cores	12	HDMI version	2.1
Processor threads	14		
Processor boost frequency	4.8 GHz		

Processor		Ports & interfaces	
Performance cores	2	Thunderbolt 4 ports quantity	2
Efficient cores	8	Intel® Thunderbolt 4	✓
Low Power Efficient-cores	2	Charging port type	USB Type-C
Performance-core Max Turbo Frequency	4.8 GHz	USB Type-C DisplayPort Alternate Mode	✓
Efficient-core Max Turbo Frequency	3.8 GHz	USB Power Delivery	✓
Low Power Efficient-core Max Turbo Frequency	2.1 GHz	Keyboard	
Performance-core base frequency	1.7 GHz	Pointing device	Touchpad
Efficient-core base frequency	1.2 GHz	Numeric keypad *	✓
Low Power Efficient-core Base Frequency	700 MHz	Software	
Processor cache	12 MB	Operating system architecture	64-bit
Processor cache type	Smart Cache	Trial software	1-month trial for new Microsoft 365 customers.
Processor base power	15 W	Operating system installed *	Windows 11 Pro
Maximum turbo power	57 W	Battery	
Neural processor unit (NPU)		Battery technology	Lithium-Ion (Li-Ion)
Neural processor unit (NPU)	Intel AI Boost	Number of battery cells	3
Maximum frequency NPU	1.4 GHz	Battery capacity *	63 Wh
Sparsity support	✓	Power	
Windows Studio effects support	✓	AC adapter power	65 W
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	AC adapter frequency	50 - 60 Hz
Memory		AC adapter input voltage	100 - 240 V
Internal memory *	16 GB	AC adapter output current	3.25 A
Internal memory type	DDR5-SDRAM	AC adapter output voltage	20 V
Memory form factor	SO-DIMM	Security	
Memory layout (slots x size)	1 x 16 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	Trusted Platform Module (TPM)	✓
Number of SSDs installed	1	Trusted Platform Module (TPM) version	2.0
SSD capacity	512 GB	Password protection	✓
SSD interface	PCI Express 4.0	Password protection type	BIOS, HDD, User
NVMe	✓	Certificates	
SSD form factor	M.2	Compliance certificates	REACH
Optical drive type *	✗	Sustainability	
Graphics		Sustainability certificates	ENERGY STAR, EPEAT Gold, Forest Stewardship Council (FSC) Recycled
Discrete graphics card model *	Not available	Weight & dimensions	
On-board graphics card *	✓	Width	358 mm
		Depth	254.3 mm
		Height (front)	1.89 cm
		Height (rear)	2.29 cm
		Weight *	1.95 kg



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