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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 cancelation 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/m²	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

Performance cores	2
Efficient cores	8
Low Power Efficient-cores	2
Performance-core Max Turbo Frequency	4.8 GHz
Efficient-core Max Turbo Frequency	3.8 GHz
Low Power Efficient-core Max Turbo Frequency	2.1 GHz
Performance-core base frequency	1.7 GHz
Efficient-core base frequency	1.2 GHz
Low Power Efficient-core Base Frequency	700 MHz
Processor cache	12 MB
Processor cache type	Smart Cache
Processor base power	15 W
Maximum turbo power	57 W

Neural processor unit (NPU)

Neural processor unit (NPU)	Intel AI Boost
Maximum frequency NPU	1.4 GHz
Sparsity support	✓
Windows Studio effects support	✓
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML

Memory

Internal memory *	16 GB
Internal memory type	DDR5-SDRAM
Memory form factor	SO-DIMM
Memory layout (slots x size)	1 x 16 GB

Storage

Total storage capacity *	512 GB
Storage media *	SSD
Total SSDs capacity	512 GB
Number of SSDs installed	1
SSD capacity	512 GB
SSD interface	PCI Express 4.0
NVMe	✓
SSD form factor	M.2
Optical drive type *	✘

Graphics

Discrete graphics card model *	Not available
On-board graphics card *	✓

Ports & interfaces

Thunderbolt 4 ports quantity	2
Intel® Thunderbolt 4	✓
Charging port type	USB Type-C
USB Type-C DisplayPort Alternate Mode	✓
USB Power Delivery	✓

Keyboard

Pointing device	Touchpad
Numeric keypad *	✓

Software

Operating system architecture	64-bit
Trial software	1-month trial for new Microsoft 365 customers.
Operating system installed *	Windows 11 Pro

Battery

Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	3
Battery capacity *	63 Wh

Power

AC adapter power	65 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
AC adapter output current	3.25 A
AC adapter output voltage	20 V

Security

Cable lock slot	✓
Cable lock slot type	Kensington
Fingerprint reader	✓
Smart card reader	✓
Trusted Platform Module (TPM)	✓
Trusted Platform Module (TPM) version	2.0
Password protection	✓
Password protection type	BIOS, HDD, User

Certificates

Compliance certificates	REACH

Sustainability

Sustainability certificates	ENERGY STAR, EPEAT Gold, Forest Stewardship Council (FSC) Recycled

Weight & dimensions

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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