

ASUS ExpertBook B5 B5604CMA-Q90733X Intel Core Ultra 5 125H Laptop 40.6 cm (16") 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-M00U40

Product name : B5604CMA-Q90733X

- Windows 11 Pro 64-bit
- Intel Core Ultra 5 125H (18MB Cache)
- 40.6 cm (16") WUXGA 1920 x 1200
- 16GB DDR5-SDRAM & 512GB SSD

Intel Core Ultra 5 125H (18MB Cache), 16GB DDR5-SDRAM, 512GB SSD, 40.6 cm (16") WUXGA 1920 x 1200, Intel Arc 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 processors 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 Wi-Fi 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 graphics card model *	Intel Arc Graphics
Product type *	Laptop	Audio	
Product colour *	Black	Audio system	Dolby Atmos
Form factor *	Clamshell	Built-in microphone	✓
Housing material	Aluminium, Magnesium	Camera	
Market positioning	Work	Front camera	✓
Certified refurbished	✗	Front camera resolution	1920 x 1080 pixels
Display		Front camera HD type	Full HD
Display diagonal *	40.6 cm (16")	Infrared (IR) camera	✓
Display resolution *	1920 x 1200 pixels	Privacy camera	✓
Touchscreen *	✗	Privacy type	Privacy shutter
HD type	WUXGA	Network	
LED backlight	✓	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Native aspect ratio	16:10	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Anti-glare screen	✓	Mobile network connection *	✗
Display brightness	300 cd/m ²	Antenna type	2x2
RGB colour space	NTSC	Ethernet LAN	✓
Colour gamut	45%	Ethernet LAN data rates	10,100,1000 Mbit/s
Maximum refresh rate	60 Hz	Bluetooth	✓
Contrast ratio (typical)	1000:1	Bluetooth version	5.3
Processor		Ports & interfaces	
Processor manufacturer *	Intel	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Processor family *	Intel Core Ultra 5	Ethernet LAN (RJ-45) ports	1
Processor generation	Intel® Core™ Ultra (Series 1)	HDMI ports quantity *	1
Processor model *	125H	HDMI version	2.1
Processor cores	14	Thunderbolt 4 ports quantity	2
Processor threads	18	Intel® Thunderbolt 4	✓
Processor boost frequency	4.5 GHz		
Performance cores	4		
Efficient cores	8		

Processor		Ports & interfaces	
Low Power Efficient-cores	2	Combo headphone/mic port	✓
Performance-core Max Turbo Frequency	4.5 GHz	SmartCard slot	✓
Efficient-core Max Turbo Frequency	3.6 GHz	USB Type-C DisplayPort Alternate Mode	✓
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Performance	
Performance-core base frequency	1.2 GHz	Repairability index	9.6
Efficient-core base frequency	0.7 GHz	Keyboard	
Low Power Efficient-core Base Frequency	700 MHz	Pointing device	Touchpad
Processor cache	18 MB	Numeric keypad *	✓
Processor cache type	Smart Cache	Keyboard backlit	✓
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. Credit card required, McAfee 30 days
Copilot+ PC	✗	Operating system installed *	Windows 11 Pro
Neural processor unit (NPU)	Intel AI Boost	Battery	
Sparsity support	✓	Battery technology	Lithium-Ion (Li-Ion)
Windows Studio effects support	✓	Number of battery cells	3
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	Battery capacity *	63 Wh
Memory		Power	
Internal memory *	16 GB	AC adapter power	65 W
Internal memory type	DDR5-SDRAM	AC adapter frequency	50 - 60 Hz
Memory form factor	SO-DIMM	AC adapter input voltage	100 - 240 V
Memory slots	2x SO-DIMM	AC adapter output current	3.25 A
Maximum internal memory *	64 GB	AC adapter output voltage	20 V
Storage		USB Type-C charging port *	✓
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
Graphics		Password protection	✓
Discrete graphics card model *	Not available	Password protection type	BIOS, HDD, User
On-board graphics card *	✓	Certificates	
On-board GPU manufacturer	Intel	Compliance certificates	REACH
Discrete graphics card *	✗	Sustainability	
On-board graphics card family	Intel Arc Graphics	Sustainability compliance	✓
		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
		Packaging content	
		AC adapter included *	✓



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Catalog Object Cloud



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