



ASUS ExpertBook B3604CMA-Q90092X Intel Core Ultra 5 125U Laptop 40.6 cm (16") WUXGA 16 GB DDR5-SDRAM 512 GB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Dutch Black

Brand : ASUS

Product family: ExpertBook

Product code: 90NX0731-M003J0

Product name : B3604CMA-Q90092X



Intel Core Ultra 5 125U (12MB Cache), 16GB DDR5-SDRAM, 512GB SSD, 40.6 cm (16") WUXGA 1920 x 1200 IPS, Intel Graphics, LAN, WLAN, Webcam, Windows 11 Pro 64-bit

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Configured to advance your business

ASUS ExpertBook B3 is smartly crafted for business success, boosting productivity, elevating security and enabling real-time communication with flexible IT upgrades. Its powerful features include a cutting-edge up to Intel® Core™ Ultra 7 processor with Intel vPro® and up to NVIDIA® RTX™ 2050 or Intel® Arc™ graphics, and a vibrant screen with a tall 16:10 aspect ratio. ExpertBook B3 is also packed with connectivity, has SSD with RAID 0/1 support, secure TPM chip, dual SO DIMM for easier IT upgrades and MIL-STD-810H2 military-grade durability — all in a design that embraces an eco-conscious outlook that embodies accountability and sustainability.

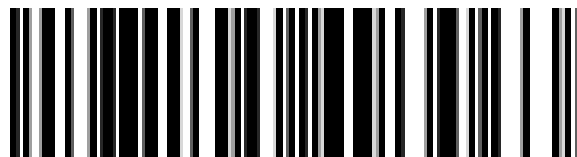


Design		Graphics	
Colour name	Star Black	On-board GPU manufacturer	Intel
Product type *	Laptop	Discrete graphics card *	✗
Product colour *	Black	On-board graphics card model *	Intel Graphics
Form factor *	Clamshell	Audio	
Housing material	Plastic	Audio system	Dirac
Market positioning	Business	Built-in microphone	✓
Introduction year	2024	Camera	
Display		Front camera	✓
Display diagonal *	40.6 cm (16")	Front camera resolution	1280 x 720 pixels
Display resolution *	1920 x 1200 pixels	Front camera HD type	HD
Touchscreen *	✗	Privacy camera	✓
HD type	WUXGA	Privacy type	Privacy shutter
Panel type	IPS	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/m²	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 *	125U		
Processor cores	12		
Processor threads	14		

Processor		Ports & interfaces	
Processor boost frequency	4.3 GHz	HDMI version	2.1
Performance cores	2	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	4.3 GHz	USB Type-C DisplayPort Alternate Mode	✓
Efficient-core Max Turbo Frequency	3.6 GHz	Performance	
Low Power Efficient-core Max Turbo Frequency	2.1 GHz	Repairability index	8.5
Performance-core base frequency	1.3 GHz	Keyboard	
Efficient-core base frequency	0.8 GHz	Pointing device	Touchpad
Low Power Efficient-core Base Frequency	700 MHz	Numeric keypad *	✓
Processor cache	12 MB	Keyboard backlit	✓
Processor cache type	Smart Cache	Keyboard layout	QWERTY
Processor base power	15 W	Keyboard language	Dutch
Maximum turbo power	57 W	Software	
Neural processor unit (NPU)		Operating system architecture	64-bit
Neural processor unit (NPU)	Intel AI Boost	Trial software	1-month trial for new Microsoft 365 customers.
Maximum frequency NPU	1.4 GHz	Operating system installed *	Windows 11 Pro
Sparsity support	✓	Battery	
Windows Studio effects support	✓	Battery technology	Lithium-Ion (Li-Ion)
AI datatype support on NPU	FP16, FP32, Int8	Number of battery cells	3
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	Battery capacity *	50 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 layout (slots x size)	1 x 16 GB	AC adapter output current	3.25 A
Memory slots	2x SO-DIMM	AC adapter output voltage	20 V
Maximum internal memory *	32 GB	USB Type-C charging port *	✓
Storage		USB Power Delivery (USB PD)	✓
Total storage capacity *	512 GB	Security	
Storage media *	SSD	Cable lock slot	✓
Total SSDs capacity	512 GB	Cable lock slot type	Kensington
Number of SSDs installed	1	Fingerprint reader	✓
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	
Graphics		Compliance certificates	REACH, RoHS
Discrete graphics card model *	Not available	Sustainability	
On-board graphics card *	✓	Sustainability compliance	✓
		Sustainability certificates	ENERGY STAR, EPEAT Gold, Forest Stewardship Council (FSC) Mix, TCO
		Weight & dimensions	
		Width	358 mm
		Depth	254.3 mm
		Height	20.3 mm
		Weight *	1.85 kg



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Publication date: 28-MAR-2025. Prints or copies of Information are only valid on the printed Publication date