ASUS

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.
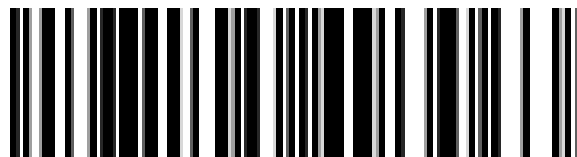
Design

Colour name	Star Black
Product type *	Laptop
Product colour *	Black
Form factor *	Clamshell
Housing material	Plastic
Market positioning	Business
Introduction year	2024

Display

Display diagonal *	40.6 cm (16")
Display resolution *	1920 x 1200 pixels
Touchscreen *	✗
HD type	WUXGA
Panel type	IPS
LED backlight	✔
Native aspect ratio	16:10
Anti-glare screen	✔
Display brightness	300 cd/m²
RGB colour space	NTSC
Colour gamut	45%
Maximum refresh rate	60 Hz
Contrast ratio (typical)	1000:1

Processor

Processor manufacturer *	Intel
Processor family *	Intel Core Ultra 5
Processor generation	Intel® Core™ Ultra (Series 1)
Processor model *	125U
Processor cores	12
Processor threads	14

Graphics

On-board GPU manufacturer	Intel
Discrete graphics card *	✗
On-board graphics card model *	Intel Graphics

Audio

Audio system	Dirac
Built-in microphone	✔

Camera

Front camera	✔
Front camera resolution	1280 x 720 pixels
Front camera HD type	HD
Privacy camera	✔
Privacy type	Privacy shutter

Network

Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Wi-Fi standards	Wi-Fi 6E (802.11ax)
Mobile network connection *	✗
Antenna type	2x2
Ethernet LAN	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth	✔
Bluetooth version	5.3

Ports & interfaces

USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1

Processor

Processor boost frequency	4.3 GHz
Performance cores	2
Efficient cores	8
Low Power Efficient-cores	2
Performance-core Max Turbo Frequency	4.3 GHz
Efficient-core Max Turbo Frequency	3.6 GHz
Low Power Efficient-core Max Turbo Frequency	2.1 GHz
Performance-core base frequency	1.3 GHz
Efficient-core base frequency	0.8 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 datatype support on NPU	FP16, FP32, Int8
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
Memory slots	2x SO-DIMM
Maximum internal memory *	32 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

HDMI version	2.1
Thunderbolt 4 ports quantity	2
Intel® Thunderbolt 4	✔
Combo headphone/mic port	✔
USB Type-C DisplayPort Alternate Mode	✔

Performance

Repairability index	8.5

Keyboard

Pointing device	Touchpad
Numeric keypad *	✔
Keyboard backlit	✔
Keyboard layout	QWERTY
Keyboard language	Dutch

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 *	50 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
USB Type-C charging port *	✔
USB Power Delivery (USB PD)	✔

Security

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

Certificates

Compliance certificates	REACH, RoHS

Sustainability

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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