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ASUS ExpertBook B1 B1502CBA-BQI715X i7-1255U Notebook 39.6 cm (15.6") Full HD Intel® Core™ i7 16 GB DDR4-SDRAM 512 GB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Black

Brand : ASUS

Product family: ExpertBook

Product code: 90NX05U1-M01710

Product name : B1502CBA-BQI715X

- Windows 11 Pro - ASUS recommends Windows 11 Pro for business
- Intel Core i7-1255U Processor
- Intel UHD Graphics
- 15.6-inch Full HD display
- Enterprise-grade security features
- MIL-STD 810H US military standard

Intel Core i7-1255U (12MB Cache), 16GB DDR4-SDRAM, 512GB SSD, 39.6 cm (15.6") Full HD 1920 x 1080, Intel Iris Xe Graphics, LAN, WLAN, Webcam, Windows 11 Pro 64-bit

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Introducing the ASUS ExpertBook B1
Primed to perform.
Configured for your business.

Packed with business-friendly features and power, ASUS ExpertBook B1 is the ideal choice for ambitious firms and inspirational educational institutions. With a compact design, a bright, clear 15.6-inch display for vibrant visuals, plus impressive performance, enterprise-level security, military-grade durability, and extensive connectivity, ExpertBook B1 is the perfect portable partner to empower your business.

Design	
Colour name	Star Black
Product type *	Notebook
Product colour *	Black
Form factor *	Clamshell
Housing material	Plastic
Market positioning	Business

Display	
Display diagonal *	39.6 cm (15.6")
Display resolution *	1920 x 1080 pixels
Touchscreen *	✘
HD type	Full HD
LED backlight	✔
Native aspect ratio	16:9
Anti-glare screen	✔
Display brightness	250 cd/m²
RGB colour space	NTSC
Colour gamut	45%

Processor	
Processor manufacturer *	Intel
Processor generation	12th gen Intel® Core™ i7
Processor model *	i7-1255U
Processor family *	Intel® Core™ i7
Processor boost frequency	4.7 GHz
Efficient-core Max Turbo Frequency	3.5 GHz
Performance-core Max Turbo Frequency	4.7 GHz
Processor cores	10
Processor cache	12 MB

Camera	
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 2.0 ports quantity *	1
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
HDMI version	1.4
Combo headphone/mic port	✔
Charging port type	USB Type-C
USB Type-C DisplayPort Alternate Mode	✔
USB Power Delivery	✔

Keyboard	
Pointing device	Touchpad

Processor

Processor cache type	Smart Cache
Processor base power	15 W
Maximum turbo power	55 W
Performance cores	2
Efficient cores	8

Memory

Internal memory *	16 GB
Internal memory type	DDR4-SDRAM
Memory form factor	On-board + SO-DIMM
Memory layout (slots x size)	1 x 16 GB
Memory slots	1x SO-DIMM
Maximum internal memory *	48 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 *	✘
Card reader integrated	✘

Graphics

Discrete graphics card model *	Not available
On-board graphics card *	✔
Discrete graphics card *	✘
On-board graphics card family	Intel Iris Xe Graphics
On-board graphics card model *	Intel Iris Xe Graphics

Audio

Audio system	Dirac
Built-in microphone	✔

Camera

Front camera	✔
Front camera HD type	HD
Infrared (IR) camera	✔

Keyboard

Numeric keypad *	✔
Keyboard backlit	✔

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 *	42 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	✔
Face recognition	✔
Windows Hello	✔
Trusted Platform Module (TPM)	✔
Trusted Platform Module (TPM) version	2.0
Password protection	✔
Password protection type	BIOS, HDD, User

Sustainability

Sustainability compliance	✔
Sustainability certificates	ENERGY STAR, EPEAT Gold, REACH, RoHS, TCO

Weight & dimensions

Width	361.6 mm
Depth	233 mm
Height	19.9 mm
Weight *	1.69 kg

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