ASUS ExpertBook B1 B1503CVAR-P716512-CA Intel Core 7 150U Laptop 39.6 cm (15.6") Full HD 16 GB DDR5-SDRAM 512 GB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Grey





Brand : ASUS

Product family: ExpertBook

Product code: 90NX0801-M05P80

Product name : B1503CVAR-P716512-CA

- Windows 11 Pro 64-bit
- Intel Core 7 150U (12MB Cache)
- 15.6" Full HD 1920 x 1080
- 16GB DDR5-SDRAM (2 x 8) & 512GB SSD

Intel Core 7 150U (12MB Cache), 16GB DDR5-SDRAM, 512GB SSD, 15.6" Full HD 1920 x 1080, Intel Graphics, LAN, WLAN, Webcam, Windows 11 Pro 64-bit

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Elevated, effortless and secure
ASUS ExpertBook B1 offers extensive customization options to empower your business. Designed with productivity in mind, it features AI capabilities such as AI ExpertMeet, Copilot in Windows, and AI noise-canceling technology enables you do your best. Powered by the latest Intel® Core™ 7 processor and offering military-grade durability, it is engineered to handle various tasks smoothly. It includes a full set of I/O ports, fast connection up to Wi-Fi 6E, and advanced security features. Lightweight with long battery life and stunning visuals and audio, it provides flexibility wherever you work. ASUS ExpertBook B1 streamlines your workflow to keep you productive.

Design	
Colour name	Gentle Grey
Product type *	Laptop
Product colour *	Grey
Form factor *	Clamshell
Housing material	Plastic
Market positioning	Business
Introduction year	2024

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	300 cd/m²
RGB colour space	NTSC
Colour gamut	45%
Maximum refresh rate	60 Hz

Processor	
Processor manufacturer *	Intel
Processor family *	Intel Core 7
Processor generation	Intel Core (Series 1)
Processor model *	150U
Processor cores	10
Processor threads	12
Processor boost frequency	5.4 GHz
Performance cores	2
Efficient cores	8

Audio	
Built-in microphone	✔

Camera	
Front camera	✔
Front camera resolution	1920 x 1080 pixels
Front camera HD type	Full 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	5.4

Ports & interfaces	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
HDMI version	1.4
Combo headphone/mic port	✔
USB Type-C DisplayPort Alternate Mode	✔

Processor	
Performance-core Max Turbo Frequency	5.4 GHz
Efficient-core Max Turbo Frequency	4 GHz
Performance-core base frequency	1.8 GHz
Efficient-core base frequency	1.2 GHz
Processor cache	12 MB
Processor cache type	Smart Cache
Processor base power	15 W
Maximum turbo power	55 W

Memory	
Internal memory *	16 GB
Internal memory type	DDR5-SDRAM
Memory form factor	SO-DIMM
Memory layout (slots x size)	2 x 8 GB
Memory slots	2x SO-DIMM
Maximum internal memory *	64 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
M.2 SSD size	2280 (22 x 80 mm)
Optical drive type *	✘
Card reader integrated	✘

Graphics	
Discrete graphics card model *	Not available
On-board graphics card *	✔
On-board GPU manufacturer	Intel
Discrete graphics card *	✘
On-board graphics card family	Intel® Graphics
On-board graphics card model *	Intel® Graphics

Audio	
Audio system	Dirac

Keyboard	
Pointing device	Touchpad
Numeric keypad *	✔
Keyboard backlit	✔
Spill-resistant keyboard	✔

Software	
Operating system architecture	64-bit
Trial software	1-month trial for new Microsoft 365 customers; McAfee 30 days free trial
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 Type-C required charging power (min) *	55 W
USB Type-C required charging power (max) *	65 W
USB Power Delivery (USB PD)	✔

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

Certificates	
Compliance certificates	REACH

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

Weight & dimensions	
Width	359.5 mm
Depth	232.2 mm
Height	19.9 mm

Packaging content	
AC adapter included *	✔

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Publication date: 15-NOV-2026. Prints or copies of Information are only valid on the printed Publication date