ComX Computers
Product Specification Sheet

B1503CVAC716512G1X

Asus ExpertBook B1 B1503CVA Core 2 Notebook Core 7 150U 5.4Ghz 16GB 512GB 15.6" FULL HD Intel Graphics BT Win 11 Pro

Product Overview

Asus ExpertBook B1 B1503CVA Series Core Series 2 B1503CVAC716512G1X Grey Notebook, Intel Core 7 150U Ten (10) Core Raptor Lake Turbo Boost up to 5.4Ghz 12MB L3 Cache Processor (2 Perfomance Cores & 8 Efficient), 16GB DDR5-5600 SO-Dimm Memory (1x16GB), Supports 64GB Max Mem, 2 Memory slots, 512GB SSD Solid State Hard Drive PCIe, M.2 2230 slot + M.2 2280 Slot, NO optical drive (No CD), 15.6" FULL HD (1920 x 1080 resolution) Non Gloss Type 300nits LED Backlit Display, Intel Graphics, 802.11ax Wi-Fi 6, 10/100/1000 Gigabit Ethernet LAN, Bluetooth, Webcam, 3 Cell Battery, Fingerprint Reader, Backlit Keyboard, Full Size Keyboard with Numpad, 2x USB 3.2 Gen 1 Type-A, 2x USB 3.2 Gen 2 Type-C support display / power delivery, HDMI output, 1.7 kg, Microsoft Windows 11 Professional 64 bit, 1 Year Carry in warranty











Specifications

Summary Overview:

The Asus ExpertBook B1 15.6" laptop is engineered for professionals who need reliable performance and modern features for everyday business tasks. Powered by an Intel Core 7 processor and 16GB DDR5 memory, it delivers fast multitasking and efficient workflow management. The 512GB SSD ensures quick boot times and ample storage, while the Full HD anti-glare display provides clear visuals for long working hours. With Wi-Fi 6 connectivity, multiple USB-C ports, and Windows 11 Pro, this device is built for productivity whether you're in the office or working remotely. Buy now and upgrade your work setup with a dependable business laptop.

Users across this ExpertBook series consistently report solid build quality, smooth performance for office applications, and dependable battery life. It is especially popular among business professionals, students, and remote workers who need a balance of portability and performance without unnecessary complexity. Many reviews highlight its comfortable keyboard and practical security features as key advantages.

Laptop performance tier: Mid-to-high business performance

Uses:office work, remote work, business applications, multitasking, web browsing, presentations, productivity tasks

Overview:

The ASUS ExpertBook B1 B1503CVA is built for practical business use, combining modern performance with a clean, lightweight design. It targets professionals who need consistent speed for daily workloads, reliable connectivity, and built-in tools that support remote collaboration.

Equipped with an Intel Core 7 processor and fast DDR5 memory, this 15.6 inch notebook handles multitasking with ease. From office applications to video meetings and browser-heavy workflows, it maintains smooth responsiveness without unnecessary complexity. The inclusion of AI-driven tools further enhances productivity, especially for communication and hybrid work environments.

Portability remains a strong point. At under 2 kg, it is easy to carry between meetings or workspaces, while the full HD anti glare display ensures comfortable viewing throughout the day. Combined with a full size keyboard and numeric keypad, it suits both desk-based and mobile use.

Features:

Performance that keeps up with business demands

Powered by a 10 core Intel Core 7 processor with turbo speeds reaching up to 5.2GHz, this laptop is designed for efficiency across multiple applications. The 16GB DDR5 memory improves responsiveness, while the 512GB PCIe SSD delivers quick boot times and fast file access.

For users handling spreadsheets, presentations, or cloud platforms, the system provides enough headroom to maintain steady

performance without slowdowns.

Designed for modern work environments

AI integration is a core part of the experience. Built-in tools support clearer communication and reduce manual effort during meetings.

- AI meeting summaries automatically capture key discussion points
- Real time translated subtitles improve cross language communication
- Speaker recognition identifies contributors in group calls
- Two way AI noise cancelation reduces background distractions

These additions streamline remote collaboration and reduce the need for external software.

Clear display and comfortable input

The 15.6 inch full HD display offers a balance between screen space and portability. Its anti glare panel and 300 nits brightness make it suitable for office lighting conditions, reducing reflections during extended use.

A full size backlit keyboard with numpad improves usability, especially for data entry and late working hours. The layout remains practical and familiar for business users.

Connectivity without compromise

A wide selection of ports allows easy connection to peripherals and external displays without adapters.

- 2x USB Type C with display and power delivery support
- 2x USB Type A for standard accessories
- HDMI output for external screens
- RJ45 Ethernet for stable wired networking
- WiFi 6 and Bluetooth for fast wireless connectivity

This setup ensures compatibility with both modern and legacy devices.

Security and reliability built in

Security features are integrated at both hardware and software level. A fingerprint reader allows quick and secure login, while TPM 2.0 and BIOS level protections help safeguard sensitive data.

The chassis is tested against military grade standards, adding durability for everyday handling and travel.

Built for flexibility

With support for up to 64GB of memory and additional storage expansion via dual M.2 slots, the system can adapt as requirements grow. This makes it suitable not only for current workloads but also for future upgrades.

Everyday business computing made simple

The ASUS ExpertBook B1 B1503CVA focuses on what matters most in a work laptop: dependable performance, practical features, and ease of use. It fits naturally into office setups, remote work scenarios, and on the move productivity without adding unnecessary complexity.

Specifications:

Model	b1503cva / 90NX0801-M08NEO
Operating System	Windows 11 Pro
Office	1-month trial for new Microsoft 365 customers. Credit card required.
LCD cover-material	Plastic
LCD cover-color	Gentle Grey
Top case-material	Plastic
Top case-color	Gentle Grey
Bottom case-material	Plastic
Bottom case-color	Gentle Grey

Military grade	US MIL-STD 810H military-grade standard
Panel Size	15.6-inch
Backlit	LED Backlit
Brightness	300nits
Resolution	FHD (1920x1080) 16:9
Glare	Anti-glare display
Color gamut	NTSC: 45%
View angle(H/V)	170/170
Response time(Typ/Max) (ms)	20/25
Refresh rate	60Hz
Contrast (Typ)	800:1
Touch Panel	Non-touch screen
Screen-to-body ratio	87 %
IPS-level	Wide view
Processor	Intel Core 7 Processor 150U 1.8 GHz (12MB Cache, up to 5.4 GHz, 10 Cores, 12 Threads)
Chipset	N/A
Discrete/Share	Share
Integrated GPU	Intel UHD Graphics
VRAM	N/A
How to upgrade memory	Upgradable , Need to remove bottom/top case
Expansion Slot(includes used)	2x DDR5 SO-DIMM slots
	1x M.2 2230 PCIe 4.0 x4
	1x M.2 2280 PCIe 4.0 x4
DIMM Memory	16GB DDR5 SO-DIMM
Total System Memory	DDR5 16GB
Storage	512GB M.2 2280 NVMe PCIe4.0 SSD
	SSD Housing for storage expansion
Front-facing. Camera	720p HD camera
	With privacy shutter
Wireless	Wi-Fi 6(802.11ax) (Dual band) 2*2 + Bluetooth 5.4 Wireless Card
NumberPad	N/A
FingerPrint	FingerPrint
Keyboard type	Backlit Chiclet Keyboard with Num-key
Keyboard language	English

I/O ports	2x USB 3.2 Gen 1 Type-A
	2x USB 3.2 Gen 2 Type-C support display / power delivery
	1x HDMI 1.4, up to 3840x2160p/30Hz
	1x 3.5mm Combo Audio Jack
	1x RJ45 Gigabit Ethernet
Audio	Audio by Dirac
	Built-in speaker
	Built-in array microphone
Battery	50WHrs, 3S1P, 3-cell Li-ion
AC Adapter	TYPE-C, 65W AC Adapter, Output: 20V DC, 3.25A, 65W, Input: 100-240V AC 50/60Hz universal (Adapter+power cord)
Required charging power	Min: 55W
	Max: 65W
	*The indicated wattage is for demonstrating the system's support capability as required by EU regulations. For optimal system performance, please use the standard-wattage adapter or higher.
Dimension (WxHxD)	35.95 x 23.22 x 1.99 - 1.99 cm (14.15" x 9.14" x 0.78" - 0.78")
Starting Weight (with Battery)	1.66 kg (3.66lbs)
Starting Weight (w/O Battery)	1.47 kg (3.24lbs)
Security	Fingerprint sensor intergrated with Touchpad
	Kensington Nano Security Slot(6x 2.5mm)
	BIOS Booting User Password Protection
	BIOS Integrity Measurement Support
	BIOS Protection Support
	BIOS Self Recovery
	BIOS setup user password
	CSME BIOS Redundancy Assistance
	Enhanced Password Strength
	HDD User Password Protection and Security
	Intel CSME Firmware Resilience
	Intel BIOS Guard
	Intel Boot Guard
	Microsoft Secured-core PC
	Microsoft Security Level 2
	Support Absolute Persistence 2.0 (Computrace)
	Trusted Platform Module (TPM) 2.0
Antivirus	McAfee 30 days free trial

MyASUS feature	System diagnosis
	Battery health charging
	Fan Profile
	Splendid
	Tru2Life
	Function key lock
	WiFi SmartConnect
	AppDeals
	Link to MyASUS
Built-in Apps	AI ExpertMeet (AI features need devices with 12GB RAM or more)
	MyASUS
Reparability Index (for Belgium)	9.4
Reparability Index (for France)	9.6
Ecolabels & Comphances.	EPEAT Gold with Climate+
	Energy star 8.0
	FSC Recycled
	REACH
	RoHS
	TCO Certified

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