ComX Computers
Product Specification Sheet

B1503CVAC516512G1X

Asus ExpertBook B1503CVA Core Notebook Core 5 120U 5.0Ghz 16GB 512GB 15.6" FULL HD Intel Graphics BT Win 11 Pro

Product Overview

Asus ExpertBook B1503CVA Series Core B1503CVAC516512G1X Grey Notebook, Intel Core 5 120U Ten (10) Core Raptor Lake Turbo Boost up to 5Ghz 12MB L3 Cache Processor (2 Perfomance Cores & 8 Efficient), 16GB DDR5-5200 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 250nits 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 B1503CVA is built for business users who need consistent performance, security, and portability. Powered by an Intel Core 5 120U processor, 16GB DDR5 memory, and a fast 512GB NVMe SSD, it handles office applications, multitasking, and everyday workloads with ease. The 15.6-inch Full HD anti-glare display, Wi-Fi 6 connectivity, and comprehensive USB-C and HDMI ports make it suitable for modern hybrid work environments. Buy now to improve productivity with a dependable business laptop designed for professional use in South Africa.

Users commonly regard the ExpertBook B1 series as a practical enterprise-focused range offering strong durability, reliable keyboards, and solid security features such as fingerprint login and TPM protection. It is frequently chosen by business professionals, students, and remote workers who need stable performance rather than gaming or high-end creative workloads. Feedback typically highlights its value-for-money positioning and dependable day-to-day office performance.

Laptop performance tier: Mid-range business productivity laptop

Uses: Office productivity, business applications, online meetings, remote work, studying, document processing, web browsing, enterprise tasks

Overview:

The ASUS ExpertBook B1 (B1503) is a business focused 15.6 inch notebook designed to balance performance, portability and security. It is built for professional workloads such as office productivity, remote meetings and everyday business computing. With a modern Intel Core processor, fast SSD storage and Windows 11 Pro, it delivers a smooth and responsive experience for multitasking and business applications.

This model also integrates AI powered tools for communication and productivity, making it suitable for hybrid and remote work environments. Its lightweight design and full set of connectivity options allow it to adapt easily to different working setups, whether in the office or on the move.

Features:

ASUS ExpertBook B1 B1503 Business Laptop

The ExpertBook B1 series is positioned as a reliable business notebook offering strong performance, practical design and enterprise level security features. It supports modern workflows with AI assisted tools and stable connectivity options.

Performance and Processing Power

Powered by an Intel Core 5 120U processor with 10 cores, this laptop is designed to handle multitasking efficiently. It can boost performance up to 5GHz, making it suitable for demanding office applications, data processing and business software.

- Intel Core 5 120U processor with 10 cores

- Boost clock speed up to 5GHz
- 16MB L3 cache for faster processing
- Intel integrated graphics for everyday visual tasks

Memory and Storage

The system is equipped with fast DDR5 memory and solid state storage for quick load times and smooth operation.

- 16GB DDR5-5200 RAM (expandable up to 64GB)
- 512GB PCIe SSD storage
- Dual memory slots for upgrades
- M.2 SSD support for flexible storage expansion

Display

A practical full HD display provides clear visuals for work and media use.

- 15.6 inch Full HD resolution (1920 x 1080)
- Anti glare non glossy panel
- 250 nits brightness
- LED backlit screen

Connectivity and Ports

Designed for business flexibility, it includes a wide range of ports and modern wireless connectivity.

- WiFi 6 for fast wireless performance
- Bluetooth support
- Gigabit Ethernet LAN
- 2 x USB 3.2 Gen 1 Type A
- 2 x USB 3.2 Gen 2 Type C with power delivery and display support
- HDMI output for external displays

Security and AI Tools

This laptop includes multiple security and AI driven productivity features tailored for professional environments.

- Fingerprint reader for secure login
- Windows 11 Pro security features
- AI ExpertMeet for meetings and collaboration
- AI noise cancellation for clearer calls
- AI translated subtitles for multilingual communication
- Speaker recognition and meeting summaries
- Webcam watermark for identity display
- Screen watermark protection for shared content

Design and Portability

Built for mobility and everyday use, the ExpertBook B1 remains practical and easy to carry.

- 15.6 inch business notebook form factor
- Weight approximately 1.7 kg
- Backlit full size keyboard with numeric keypad
- 3 cell battery for daily productivity

System and Software

The device runs on Windows 11 Pro, offering a business ready environment with productivity tools and compatibility for enterprise applications.

Specifications:

Model	B1503CVA / 90NX0801-M08NDO

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 5 Processor 120U 1.4 GHz (12MB Cache, up to 5.0 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
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")
Weight (with Battery)	1.66 kg (3.66lbs)
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
	N/A
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
Disclaimer for Built-in Apps	Built-in Apps vary from OS SKU.
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

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://comx-computers.co.za/Buy-Notebooks-Laptops-B1503CVAC516512G1X-Asus-ExpertBook-B1503CVA-Core-Notebook-Core-lp-342775.php

Images and specifications are provided for reference and are subject to change without notice. E&OE.

Terms of Use: https://comx-computers.co.za/terms-of-use.php
Terms of Sale: https://comx-computers.co.za/terms-of-sale.php

PDF generated: 2026-11-18 15:01:39.

This PDF was generated automatically and may include content prepared or assisted by automated or AI-based systems. While reasonable care is taken to ensure accuracy, errors or omissions may occur.

For the most current and accurate product information, please refer to the product information available on our website. If any specification or other information differs from information published elsewhere, please confirm the details with us before relying on the information or making a purchasing decision.

If you identify an error or discrepancy, please report it to us so that we may investigate and correct it where necessary.