ComX Computers
Product Specification Sheet

NBAS90NX0801-M08270

Asus ExpertBook B1 B1503CVA Core 2 Notebook Core 7 240H 5.2Ghz 16GB 512GB 15.6" FULL HD Intel Graphics BT Win 11 Pro

Product Overview

Asus ExpertBook B1 B1503CVA Series Core Series 2 NBAS90NX0801-M08270 B1503CVA-C716512G0X Grey Notebook, Intel Core 7 240H Series 2 Ten (10) Core Raptor Lake Turbo Boost up to 5.2Ghz 24MB L3 Cache Processor (6 Perfomance Cores & 4 Efficient Cores), 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 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 On-site warranty











Specifications

Summary Overview:

The Asus ExpertBook B1 B1503CVA is a versatile business laptop designed for professionals in South Africa seeking high performance and portability. Featuring a 15.6" Full HD anti-glare display, Intel Core i7 10-core processor, 16GB DDR5 RAM, and 512GB SSD, this notebook delivers smooth multitasking and fast data access. Its lightweight design at 1.69 kg, long battery life, and robust security features including fingerprint recognition make it ideal for on-the-go productivity. Shop now to enhance your workflow with reliable, AI-powered tools.

Customers have praised the ExpertBook B1 series for its balance of power and portability. Business users, remote workers, and students report that it handles office applications, video conferencing, and everyday tasks effortlessly. Reviewers highlight the comfortable keyboard, bright display, and AI-assisted productivity features as standout benefits for professional environments.

Laptop performance tier: High-performance business laptop

Uses: Office work, remote work, video conferencing, multitasking, productivity, content management, AI-assisted tasks

Overview:

ASUS ExpertBook B1 B1503CVA - High-Performance Notebook for Business Professionals

The ASUS ExpertBook B1 B1503CVA is designed for professionals seeking a balance of performance, portability, and smart business tools. Equipped with a 15.6-inch Full HD display, the laptop delivers crisp visuals and anti-glare technology for comfortable viewing in any environment. Its lightweight design, weighing just 1.7 kg, and long-lasting battery make it a practical choice for those who work on the go. With military-grade durability, this notebook is built to withstand the rigors of daily professional use.

Powered by the latest Intel Core 7 processor with up to 10 cores and Turbo Boost up to 5.2 GHz, the ExpertBook B1 handles demanding applications with ease. It comes with 16GB DDR5 memory, expandable to 64GB, and a 512GB PCIe SSD, ensuring fast data access and smooth multitasking. The integrated Intel Graphics deliver reliable visuals for both work and casual media consumption.

Features:

Connectivity and Port Options

This notebook offers comprehensive I/O ports to meet diverse connectivity needs:

- 2 x USB 3.2 Gen 2 Type-C with display and power delivery support
- 2 x USB 3.2 Gen 1 Type-A
- HDMI 1.4 output

- RJ45 Gigabit Ethernet
- 3.5mm combo audio jack

With Wi-Fi 6 and Bluetooth 5.4, you can enjoy fast and stable wireless connections whether at the office or working remotely.

AI-Powered Business Tools

The ExpertBook B1 integrates AI features to enhance communication and productivity:

- AI ExpertMeet assists in international conference calls with real-time translation, speaker identification, and automated meeting summaries.
- AI Translated Subtitles support up to 8 languages for seamless collaboration across teams.
- Screen and Webcam Watermarks help protect sensitive information and maintain professional visibility during meetings.
- Two-way AI noise cancellation ensures clear audio during video calls, even in noisy environments.
- Copilot in Windows offers AI support to boost productivity and streamline daily tasks.

Keyboard and Security Enhancements

The backlit full-size keyboard with numeric keypad enables comfortable typing in low-light conditions. Security features include a fingerprint sensor integrated with the touchpad, TPM 2.0, Kensington Nano Security Slot, and multiple BIOS protection measures, providing peace of mind for sensitive business data.

Display and Audio

- 15.6-inch FHD (1920 x 1080) anti-glare display
- 300 nits brightness and 87% screen-to-body ratio
- Wide viewing angles (170 degrees horizontal/vertical)
- Audio by Dirac with built-in speakers and microphone array

Memory and Storage Options

- 16GB DDR5 memory, upgradable to 64GB
- 512GB M.2 NVMe PCIe SSD with additional expansion slots (M.2 2230 and M.2 2280)
- Quick and reliable storage for business applications and media

Battery and Portability

The 3-cell, 50WHrs battery supports extended work sessions while keeping the notebook lightweight at 1.69 kg with battery. Its compact form factor (35.95 x 23.22 x 1.99 cm) ensures easy portability without compromising performance.

Durability and Compliance

Built to US MIL-STD 810H standards, the ExpertBook B1 is resistant to shocks and daily wear. It also meets EPEAT Gold, Energy Star 8.0, FSC recycled material, REACH, RoHS, and TCO certification standards for sustainability and environmental compliance.

Enhanced Productivity Tools

Through MyASUS software, users can access system diagnostics, battery health management, fan profile settings, Wi-Fi SmartConnect, and other productivity-enhancing tools. AI-powered features such as AI ExpertMeet require 12GB RAM or higher, ensuring optimal performance for business tasks.

With its combination of powerful hardware, advanced AI tools, and robust security, the ASUS ExpertBook B1 B1503CVA is an ideal choice for professionals seeking a dependable and efficient business notebook.

Specifications:

Model	B1503CVA / 90NX0801-M08270
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 240H 2.5 GHz (24MB Cache, up to 5.2 GHz, 10 Cores, 16 Threads)
Chipset	N/A
Discrete/Share	Share
Integrated GPU	Intel 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
	512GB M.2 2280 NVMe PCIe4.0 SSD
Storage	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 Adapte'	TYPE-C, 65W AC Adapter, Output: 20V DC, 3.25A, 65W, lnput: 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)	1.69 kg (3.73lbs)
Weight (w/O Battery)	1.50 kg (3.31lbs)
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

Product Information Online

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

Product page: https://www.comx.co.za/Buy-Notebooks-Laptops-NBAS90NX0801-M08270-Asus-ExpertBook-lp-333211.php

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