

NBAS90NX0881-M049L0

Asus ExpertBook P1 P1503CVAY Core 3 Notebook Core 3 100U 4.7Ghz 8GB 512GB 15.6" FULL HD
Intel Graphics BT Win 11 Pro

Product Overview

Asus ExpertBook P1 P1503CVAY Series Core Series 3 NBAS90NX0881-M049L0 P1503CVAY-C38512G0X Grey Notebook, Intel Core 3 100U Six (6) Core Raptor Lake Turbo Boost up to 4.7Ghz 10MB L3 Cache Processor (2 Performance Cores & 4 Efficient), 8192MB (8GB) DDR4-2666 SO-Dimm Memory (1x8192), 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, 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:

Upgrade your professional workflow with the Asus ExpertBook P1503CVAY, a robust and lightweight notebook designed for modern business demands. Powered by the efficient Intel Core 3 processor and equipped with 8GB RAM and a fast 512GB SSD, this grey laptop ensures smooth multitasking and quick boot times for all your daily tasks.

Ideal for professionals in South Africa who need reliable performance on the go, it features a clear 15.6-inch Full HD display and comprehensive security with a fingerprint reader and TPM chip. Secure your data and enhance your productivity today by purchasing this durable machine now to handle everything from video conferencing to complex spreadsheets.

Laptop performance tier:Entry-level Business

Uses:Office work, web browsing, video conferencing, document editing, student studies, remote work

Overview:

Asus ExpertBook P1503CVAY-C38512G0L Business Laptop Overview

The Asus ExpertBook P1 series, specifically the model identified by part number NBAS90NX0881-M049L0, is a compact and elegant notebook designed to elevate efficiency for professionals on the move. Weighing in at just 1.62 kg with a misty grey finish, this device combines portability with robust performance powered by the latest Intel Core 3 100U processor. It features six cores that can turbo boost up to 4.7 GHz, ensuring smooth multitasking for demanding business applications while maintaining energy efficiency throughout the workday.

Beyond raw processing power, this laptop is engineered with AI-driven tools like ExpertMeet to streamline international collaboration through real-time translation and speaker identification. The inclusion of a privacy shutter on the webcam and robust security measures like TPM 2.0 ensures that your business data remains protected. Whether you are managing spreadsheets, attending video conferences, or working offline in various environments, this notebook delivers reliability with its military-grade durability standards.

Description

This Asus ExpertBook P1503CVAY-C38512G0L laptop offers a seamless blend of productivity and security for the modern workspace. Key benefits include an Intel Core 3 processor that handles complex tasks effortlessly, a bright 15.6-inch FHD display ideal for long work sessions, and extensive connectivity options including USB Type-C with power delivery. The device supports up to 64GB of memory expansion and dual SSD configurations, allowing you to customize storage and speed according to your needs. With pre-installed Windows 11 Pro and built-in AI noise cancellation, it is ready for immediate use in professional settings.

Features:

Performance and Processing Power

The heart of this notebook lies in its Intel Core 3 100U processor from the Raptor Lake series. This chip features a hybrid architecture with two performance cores and four efficient cores, totaling six cores and eight threads. It delivers a base speed of 1.2 GHz but can surge up to 4.7 GHz when required for intensive workloads. The large 10MB L3 cache ensures quick data access, reducing latency during heavy multitasking or application switching.

The system comes equipped with 8GB of DDR4-2666 SO-DIMM memory, which is fully upgradable. There are two memory slots available on the motherboard, allowing you to expand the RAM up to a maximum of 64GB for enhanced performance in virtual machines or large data sets. Storage is handled by a 512GB PCIe NVMe SSD, providing fast boot times and rapid file transfers.

Display and Visual Experience

The visual experience is managed by a high-quality 15.6-inch LED backlit display that offers Full HD resolution of 1920 x 1080 pixels. The screen features an anti-glare finish with a brightness level of 300 nits, ensuring readability even in bright office environments or near windows. With a wide viewing angle of 170 degrees horizontally and vertically, the panel maintains color accuracy from various positions.

The display supports standard contrast ratios and has a screen-to-body ratio that maximizes the usable area within the chassis. It is designed as a non-touch panel with an IPS-level technology for consistent color reproduction across the surface.

Connectivity and Expansion

Staying connected is effortless with this notebook, which includes Wi-Fi 6 (802.11ax) dual-band wireless capabilities paired with Bluetooth 5.4 for seamless peripheral integration. For wired connections, a Gigabit Ethernet LAN port ensures stable internet speeds when available.

- 2x USB 3.2 Gen 1 Type-A ports for standard peripherals
- 2x USB 3.2 Gen 2 Type-C ports supporting display output and power delivery
- 1x HDMI 1.4 port capable of up to 4K resolution at 30Hz
- 1x RJ45 Gigabit Ethernet jack
- 1x Combo audio jack for headphones and microphones

The chassis also offers significant upgrade potential with dual M.2 slots supporting PCIe 4.0 SSDs, allowing for a maximum storage capacity of up to 1TB in some configurations depending on the specific model variant.

Security and Reliability Features

Business users require top-tier security, which is why this unit includes a built-in fingerprint reader and a physical privacy shutter for the webcam. The system integrates TPM 2.0 hardware security modules to protect sensitive data at the chip level. Additionally, it meets US MIL-STD 810H military-grade standards, guaranteeing resilience against dust, humidity, temperature extremes, and vibrations.

The device also supports Absolute Persistence 2.0 for asset recovery and includes BIOS password protection features. To enhance remote work communication, the laptop utilizes AI-powered two-way noise cancellation technology that filters out background sounds while capturing your voice clearly during conference calls.

Durability and Design

The ExpertBook P1 boasts an architecture-inspired design with a misty grey plastic chassis that is both lightweight at 1.62 kg and durable. The cooling system, known as ExpertCool, directs heat towards the rear of the device to prevent hot air from affecting your hands while using the mouse or trackpad.

The keyboard is a full-size chiclet layout with an integrated numpad, and the screen features a 300-nit brightness level for clear visibility. The battery is a 3-cell Li-ion unit providing sufficient power for daily tasks, managed by ASUS MyASUS software which offers tools like fan profile control and battery health charging.

What's in the box

The package includes the Asus ExpertBook P1503 laptop unit, a 65W Type-C AC adapter with a power cord, and documentation for setup. The system comes pre-installed with Microsoft Windows 11 Professional 64-bit and a one-month trial for new Microsoft 365 customers.

Specifications:

Model	P1503CVAY / 90NX0881-M049L0
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Product Specification Sheet

Operating System	Windows 11 Pro
Office	1-month trial for new Microsoft 365 customers. Credit card required.
LCD cover-material	Plastic
LCD cover-color	Misty Grey
Top case-material	Plastic
Top case-color	Misty Grey
Bottom case-material	Plastic
Bottom case-color	Misty Grey
Military grade	US MIL-STD 810H military-grade standard
Panel Size	15.6-inch
Backlit	LED Backlit
Brightness	300nits
Resolution	FHD (1920 x 1080) 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 3 Processor 100U 1.2 GHz (10MB Cache, up to 4.7 GHz, 6 Cores, 8 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)	1x M.2 2280 PCIe 4.0x4
	1x M.2 2230 PCIe 4.0x4
	Please note the memory specs differ between the two projects by model name :
	Models ending in "CVA" : 2 x DDR5-5200MT/s (1 x M.2 2280 + 1 x M.2 2230)
	Models ending in "CVAY" : 2 x DDR4-2666MT/s (1 x M.2 2280 + 1 x M.2 2230)
DIMM Memory	8GB DDR4 SO-DIMM
Total System Memory	DDR4 8GB
Storage	512GB M.2 2280 NVMe PCIe 4.0 SSD
	SSD Housing for storage expansion

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Product Specification Sheet

Front-facing camera	1080p FHD camera
	With privacy shutter
Wireless	Wi-Fi 6(802.11ax) (Dual band) 2*2 + Bluetooth 5.4 Wireless Card
NumberPad	N/A
Keyboard type	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	42WHrs, 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: 90W
	*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)	1.62 kg (3.57 lbs)
Starting Weight (w/o Battery)	1.44 kg (3.17 lbs)
Security	Kensington Nano Security Slot (6x 2.5mm)
	BIOS setup user password
	BIOS Booting User Password Protection
	Support Absolute Persistence 2.0 (Computrace)
	HDD User Password Protection and Security
	Trusted Platform Module (TPM) 2.0
Antivirus	McAfee 1 year

MyASUS feature	System diagnosis
	Battery health charging
	Fan Profile
	Splendid
	Tru2Life
	Function key lock
	AppDeals
	Link to MyASUS
MyExpert Features	N/A
Built-in Apps	AI ExpertMeet (AI features need devices with 12GB RAM or more)
	MyASUS
Reparability Index (for Belgium)	9.2
Reparability Index (for France)	9.5
Ecolabels & Compliances	EPEAT Gold with Climate+
	Energy star 9.0
	FSC Recycled
	REACH
	RoHS
	TCO Certified Generation 10

FAQ

Is this laptop suitable for international business calls with language barriers?

This model includes the AI ExpertMeet tool which offers real-time AI translation and subtitles in up to eight languages, along with speaker ID functionality to identify key discussion points during conference calls.

Does the ASUS ExpertBook P1 support memory upgrades?

Yes, this notebook features two DDR4-2666 SO-DIMM slots that can be upgraded from the standard 8GB up to a maximum of 64GB, though upgrading requires removing the bottom or top case.

What security features are built into this business notebook?

The device is equipped with a fingerprint reader, TPM 2.0 chip for data protection, and supports screen watermarking to prevent unauthorized screenshots when sharing confidential information.

Can I connect multiple external displays or use this laptop for presentations?

Yes, the laptop includes an HDMI output port and two USB Type-C ports that support display and power delivery, allowing you to connect to external monitors for expanded productivity.

Does the AI ExpertMeet feature work on all configurations of this model?

No, the AI ExpertMeet features such as translation and meeting minutes require a device with 12GB RAM or more; this specific configuration comes with 8GB of memory.

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-NBAS90NX0881-M049L0-Asus-ExpertBook-lp-340796.php>

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