ComX Computers
Product Specification Sheet

P5405CAA-U716512GAIX

Asus ExpertBook P5405CAA Core Ultra 3 Notebook Ultra 7 356H 4.7GHz 16GB 512GB 14" WQXGA Intel Graphics BT Win 11 Pro

Product Overview

Asus ExpertBook P5405CAA Series Core Ultra Series 3 P5405CAA-U716512GAIX Grey Notebook, Intel Core Ultra 7 356H Series 3 Sixteen (16) Core Panther Lake Turbo Boost up to 4.7Ghz 12MB L3 Cache Processor (4 Perfomance Cores & 8 Efficient-cores & 4 Low Power 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), 14" WQXGA (2560 x 1600 resolution) Non Gloss Type 300nits LED Backlit Display, Intel Graphics, Intel NPU Peak 50 TOPS, 802.11ax Wi-Fi 6, Bluetooth, Webcam, 3 Cell Battery, Fingerprint Reader, Backlit Keyboard, 2x USB 3.2 Gen 2 Type-A, 2x Thunderbolt 4 compliant with USB4 supports display / power delivery, HDMI output, 1.3 kg, Microsoft Windows 11 Professional 64 bit, 1 Year Carry in warranty











Specifications

Summary Overview:

The ASUS ExpertBook P5 P5405CAA delivers next-generation business performance with an Intel Core Ultra 7 processor, AI acceleration, 16GB DDR5 memory and a fast 512GB PCIe SSD. Built with a lightweight aluminium design, Windows 11 Pro, security features and a high-resolution 14-inch display, this laptop is ideal for professionals who need reliable performance on the move. Buy now for a powerful AI-ready business laptop designed for modern workloads.

Customer feedback on the ASUS ExpertBook P5 series highlights its appeal among business users, executives, remote workers and professionals who value portability, premium build quality, comfortable keyboards and efficient everyday performance. Buyers commonly praise the lightweight design, strong security options and productivity-focused features for office tasks, meetings and travel.

Laptop performance tier: Premium business performance laptop

Uses: Business productivity, office applications, AI-assisted workflows, video conferencing, remote work, programming, content creation, professional travel

Overview:

ASUS ExpertBook P5405CAA Business Laptop with Intel Core Ultra 7

The ASUS ExpertBook P5405CAA is a premium business notebook designed for professionals who need powerful performance, AI capabilities, portability, and strong security in a compact package. Built with the latest Intel Core Ultra 7 processor, this 14-inch laptop delivers smooth multitasking, efficient AI processing, and reliable performance for modern office workloads.

Weighing from around 1.3 kg and featuring a durable aluminium chassis, the ExpertBook P5 is designed for users who work on the move. Its high-resolution display, long-lasting battery design, advanced connectivity, and enterprise-grade security make it suitable for business users, executives, and professionals who need a dependable everyday work companion.

Features:

Powerful AI-ready performance for business workloads

The ASUS ExpertBook P5405CAA uses the Intel Core Ultra 7 356H processor with integrated Intel AI Boost NPU technology, delivering enhanced AI performance for productivity applications, collaboration tools, and intelligent workflows.

Key performance highlights include:

- Intel Core Ultra 7 356H processor with up to 4.7GHz boost speed
- Dedicated Intel NPU for AI acceleration
- 16GB DDR5 memory for responsive multitasking

- 512GB PCIe NVMe SSD for fast storage performance
- Supports memory and storage upgrades

With Windows 11 Pro and modern AI capabilities, the notebook is ready for demanding business applications, content creation, video conferencing, and everyday productivity tasks.

14-inch high-resolution display for comfortable viewing

The ExpertBook P5405CAA features a 14-inch high-resolution display with a 16:10 aspect ratio, providing extra vertical workspace for documents, spreadsheets, and professional applications.

Display highlights:

- 2560 x 1600 resolution
- Anti-glare LED display
- 300 nits brightness
- Wide viewing angles
- Slim bezel design

The compact screen size balances portability with productivity, making it ideal for working in offices, meetings, or while travelling.

Lightweight aluminium design built for professionals

Designed for mobile professionals, the ASUS ExpertBook P5 combines a premium aluminium body with a slim and durable construction. The lightweight design makes it easy to carry between meetings, offices, and travel locations.

Design benefits include:

- Premium aluminium chassis
- Lightweight portable build
- Durable business-focused construction
- Lay-flat hinge design

Advanced AI tools for smarter work

The integrated AI technology helps improve productivity through intelligent assistance. ASUS AI applications can assist with tasks such as file searching, meeting transcription, communication improvements, and system optimisation.

AI capabilities include:

- AI-enhanced meeting tools
- Intelligent file search
- AI noise cancellation for clearer calls
- Adaptive security features

These tools help reduce repetitive tasks and improve efficiency during daily workflows.

Business-grade security and privacy

Security is a key focus of the ASUS ExpertBook range. The P5405CAA includes multiple protection features designed to help safeguard business data and user privacy.

Security features include:

- Fingerprint reader for secure login
- TPM 2.0 security chip
- Windows 11 Secured-core PC support
- Webcam privacy shutter
- BIOS protection technologies
- Kensington Nano Security Slot

These features help protect sensitive information while providing convenient access for authorised users.

Modern connectivity and collaboration

The ExpertBook P5405CAA provides a wide range of connectivity options for modern workplaces, including fast wireless

networking and Thunderbolt connectivity.

Connectivity options include:

- Wi-Fi 6E wireless connectivity
- Bluetooth support
- 2x Thunderbolt 4 USB-C ports
- 2x USB Type-A ports
- HDMI output
- Gigabit Ethernet connection
- 1080p webcam with privacy shutter

Thunderbolt 4 support allows fast data transfers, external displays, and convenient docking solutions.

ASUS ExpertBook P5405CAA specifications

- Model: P5405CAA / 90NX0A91-M00CC0
- Operating system: Windows 11 Professional 64-bit
- Processor: Intel Core Ultra 7 356H
- Memory: 16GB DDR5-5600 SO-DIMM
- Storage: 512GB M.2 NVMe PCIe SSD
- Display: 14-inch 2560 x 1600 anti-glare panel
- Graphics: Intel Graphics
- AI processor: Intel AI Boost NPU up to 50 TOPS
- Wireless: Wi-Fi 6E and Bluetooth
- Camera: 1080p FHD webcam
- Battery: 3-cell 50Wh lithium-ion
- Weight: Approx. 1.3 kg
- Colour: Misty Grey

The ASUS ExpertBook P5405CAA is a versatile business notebook offering a strong combination of AI-powered performance, portability, security, and professional features. It is an excellent choice for business users, corporate environments, and professionals looking for a lightweight Windows 11 Pro laptop that can handle modern workloads.

Specifications:

Model	P5405CAA / 90NX0A91-M00CC0
Operating System	Windows 11 Pro
Office	1-month trial for new Microsoft 365 customers. Credit card required.
LCD cover-material	Aluminum
LCD cover-color	Misty Grey
Top case-material	Aluminum
Top case-color	Misty Grey
Bottom case-material	Aluminum
Bottom case-color	Misty Grey
Military grade	US MIL-STD 810H military-grade standard
Panel Size	14.0-inch
Backlit	LED Backlit
Brightness	300nits
Resolution	WUXGA (1920 x 1200) 16:10

Glare	Anti-glare display
Color gamut	NTSC: 45%
View angle(H/V)	178/178
Response time(Typ/Max) (ms)	20/25
Refresh rate	60Hz
Contrast (Typ)	1000:1
Touch Panel	Non-touch screen
Screen-to-body ratio	84 %
IPS-level	Wide view
Processor	Intel Core Ultra 7 Processor 356H 1.9 GHz (18MB Cache, up to 4.7 GHz, 16 Cores, 16 Threads) , Intel AI Boost NPU up to 50 TOPS
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 4.0x4
	1x M.2 2280 PCIe 4.0/5.0x4
DIMM Memory	16GB DDR5 SO-DIMM
Total System Memory	DDR5 16GB
Storage	512GB M.2 2280 NVMe PCIe 4.0 SSD
	SSD Housing for storage expansion
Front-facing camera	1080p FHD camera
	With privacy shutter
Wireless	Wi-Fi 6E(802.11ax) (Triple band) 2*2 + Bluetooth 5.4 Wireless Card
NumberPad	N/A
FingerPrint	FingerPrint
Keyboard type	Backlit Chiclet Keyboard
Keyboard language	English
I/O ports	2x USB 3.2 Gen 1 Type-A
	2x Thunderbolt 4, compliant with USB4, support display / power delivery
	1x HDMI 2.1
	1x 3.5mm Combo Audio Jack
	1x RJ45 Gigabit Ethernet

Audio	Audio by Dirac
	Smart Amp Technology
	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)	31.51 x 22.68 x 1.00 ~ 1.80 cm (12.41" x 8.93" x 0.39" ~ 0.71")
Starting Weight (with Battery)	1.46 kg (3.22 lbs)
Starting Weight (w/o Battery)	1.27 kg (2.80 lbs)
Security	Kensington Nano Security Slot (6x 2.5mm)
	Enhanced Password Strength
	Intel CSME Firmware Resilience
	BIOS Protection Support
	Intel Boot Guard
	BIOS Integrity Measurement Support
	Microsoft Secured-core PC
	BIOS setup user password
	CSME BIOS Redundancy Assistance
	BIOS Booting User Password Protection
	BIOS Self Recovery
	Microsoft Security Level 3
	Intel BIOS Guard
	HDD User Password Protection and Security
	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
MyExpert Features	Chat
	Knowledge Hub
	Advanced Tool
	ExpertMeet(All)
	File Search
	SafeGuard Backup(Dual SSD, additional purchase before shipment)
Built-in Apps	AI ExpertMeet (AI features need devices with 12GB RAM or more) MyASUS

Product Information Online

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

Product page:
https://www.comx-computers.co.za/Buy-Notebooks-Laptops-P5405CAA-U716512GAIX-Asus-ExpertBook-P5405CAA-Core-Ultra-3-lp-342100.php

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