ComX Computers
Product Specification Sheet

PM5406CKA-R716512GAIW

Asus ExpertBook PM5406CKA Notebook Ryzen AI 7 345 4.6GHz 16GB 512GB 14" WUXGA AMD Radeon BT Win 11 Home

Product Overview

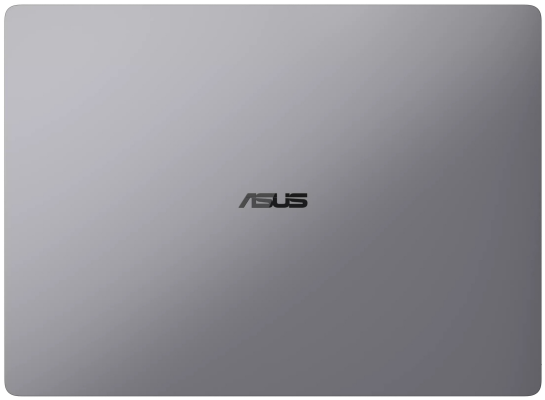
Asus ExpertBook PM5406CKA Series PM5406CKA-R716512GAIW Grey Notebook, AMD Ryzen AI 7 345 Six (6) Core Turbo Boost up to 4.6Ghz 14MB L3 Cache Processor, 16GB DDR5-5600 SO-Dimm Memory (1x16GB), Supports 64GB Max Mem, 2 Memory slots, 512GB SSD Solid State Hard Drive PCIe, M.2 2230 slot + M.2 2280 Slot, NO optical drive (No CD), 14" WUXGA (1920 x 1200 resolution) Non Gloss Type 300nits LED Backlit Display, AMD Radeon 840M Graphics, AMD Ryzen AI 50 TOPS, Wi-Fi 7, 10/100/1000 Gigabit Ethernet LAN, Bluetooth, Webcam, 3 Cell Battery, Fingerprint Reader, Backlit Keyboard, 2x USB 3.2 Gen 1 Type-A, 2x USB 3.2 Gen 2 Type-C support display / power delivery, HDMI output, 1.5 kg, Microsoft Windows 11 Home 64 bit, 1 Year On-site warranty











Specifications

Summary Overview:

Upgrade your professional workflow with the powerful Asus ExpertBook PM5406CKA, now available for purchase in South Africa. This premium business laptop is engineered for efficiency, featuring a robust AMD Ryzen AI 7 processor and next-generation Wi-Fi 7 connectivity to ensure seamless performance wherever you work. With its durable aluminium chassis meeting military-grade standards and a vibrant 14-inch WUXGA display, it offers the perfect balance of reliability and visual clarity for demanding tasks.

Designed to keep you productive on the go, this lightweight notebook includes ample DDR5 memory, fast SSD storage, and advanced security features like fingerprint login. Whether you are managing complex spreadsheets or attending virtual meetings, the ExpertBook delivers consistent power and long battery life. Secure your high-performance business companion today by buying now.

Laptop performance tier: High-End Business

Uses: Data analysis, software development, video conferencing, multitasking, content creation

Overview:

The ASUS ExpertBook P5 G2 (Part Number PM5406CKA-R716512GAIW) is a Misty Grey notebook engineered for professionals who demand a seamless blend of portability and high-performance computing. Powered by the advanced AMD Ryzen AI 7 345 processor, this machine delivers up to 4.6GHz turbo boost speeds alongside a dedicated Neural Processing Unit capable of over 40 TOPS, ensuring smooth handling of modern artificial intelligence workloads. The system comes equipped with 16GB of fast DDR5-5600 memory and a rapid 512GB PCIe SSD, providing ample space for your files and applications while maintaining quick boot times and responsive multitasking capabilities.

Description

The ASUS ExpertBook P5 G2 is designed to elevate your professional workflow with cutting-edge AI integration and robust security. This laptop combines a lightweight aluminum chassis with military-grade durability, making it an ideal companion for business travelers. Key benefits include the powerful AMD Ryzen AI processor for enhanced task acceleration, a crisp 14-inch WUXGA display for clear visuals in any lighting condition, and comprehensive connectivity options featuring Wi-Fi 7 and multiple USB-C ports supporting power delivery. With built-in security features like a fingerprint reader and physical webcam shield, your data remains protected on the go.

Features:

Performance and AI Capabilities

This notebook is built to handle demanding tasks with ease, leveraging the latest AMD Ryzen AI technology to accelerate productivity. The combination of the six-core processor and integrated Radeon 840M graphics ensures that both everyday

office applications and more intensive multimedia tasks run smoothly. The inclusion of Wi-Fi 7 support means you will experience faster wireless speeds and lower latency compared to previous generations, keeping you connected efficiently in any environment.

- AMD Ryzen AI 7 345 Processor with up to 4.6GHz Turbo Boost
- 16GB DDR5-5600 SO-DIMM memory (expandable up to 64GB)
- AMD Radeon 840M integrated graphics
- Wi-Fi 7 (802.11be) for ultra-fast wireless connectivity
- Microsoft Windows 11 Home 64-bit operating system

Display and Visual Experience

The 14-inch WUXGA display offers a resolution of 1920 x 1200 with a 16:10 aspect ratio, providing extra vertical space for documents and web pages. The non-glossy LED backlit panel features 300 nits of brightness, ensuring visibility even in bright office environments or near windows. With wide viewing angles and an anti-glare finish, this screen delivers comfortable viewing for extended periods without eye strain.

- 14-inch WUXGA (1920 x 1200) Non-Glossy Display
- 300 nits brightness with LED backlighting
- 16:10 aspect ratio for enhanced workspace
- Anti-glare coating for better visibility in light

Durability and Design

Crafted from a robust aluminum chassis, this laptop meets US MIL-STD 810H military-grade standards for durability. It is designed to withstand the rigors of daily travel while maintaining a sleek and professional appearance. The Misty Grey finish complements modern aesthetics, and the lightweight design ensures it remains easy to carry throughout your workday.

- Military-grade MIL-STD 810H certified durability
- Sleek aluminum construction in Misty Grey
- Weighs approximately 1.5 kg for portability
- Compact dimensions of 31.27 x 22.71 cm

Connectivity and Ports

The ASUS ExpertBook P5 G2 is equipped with a comprehensive array of ports to support your peripherals and external displays without the need for dongles. Whether you are connecting to a projector, transferring large files, or charging via USB-C, the variety of options ensures compatibility with all your essential tools.

- 2x USB 3.2 Gen 1 Type-A ports
- 2x USB 3.2 Gen 2 Type-C ports supporting display and power delivery
- HDMI 2.1 output for high-definition video
- RJ45 Gigabit Ethernet LAN port
- 3.5mm combo audio jack

Security and Privacy

Protecting your sensitive business data is a top priority with the integrated security suite on this device. The laptop includes a fingerprint reader for secure login, a physical webcam cover to prevent unauthorized access, and TPM 2.0 encryption for hardware-level protection. These features work together to ensure that your information remains safe from potential threats.

- Fingerprint sensor integrated into the power key
- Physical webcam privacy shutter
- TPM 2.0 chip for secure data storage
- Kensington Nano Security Slot for physical locking

Battery and Power

Say goodbye to battery anxiety with a reliable power solution designed to keep you working longer. The built-in 3-cell battery provides extended runtime, allowing you to work through meetings or travel without constantly searching for an outlet.

- 70 WHrs 4S1P 4-cell Li-ion battery

- 65W Type-C AC adapter included

What's in the box

When you receive your ASUS ExpertBook P5 G2, you will have everything needed to start working immediately. The package includes the laptop itself, a 65W USB-C power adapter with the necessary cable, and documentation to guide you through initial setup.

Specifications:

Model	PM5406CKA / 9ONXO971-MO14ZO
Operating System	Windows 11 Home - ASUS recommends Windows 11 Pro for business
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	86 %
IPS-level	Wide view
Processor	AMD Ryzen'"A1 7 345 Processor 2.0GHz (8MB Cache, up to 4.6 GHz, 6 cores, 12 Threads) , AMD XDNA'" NPU up to 50 TOPS
Neural processor	AMD Ryzen'" Al over 40 TOPS
Chipset	N/A
Discrete/Share	Share
Integrated GPU	AMD Radeon'" 840M
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 PCIe 4.0 SSD
Front-facing. Camera	1080p FHD camera
	With .privacy shutter
Wireless	Wi-Fi 7(802.11be) (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 USB 3.2 Gen 2 Type-C support display / power delivery
	1x HDMI""2.1TMDS
	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	70WHrs, 4S1P, 4-cell Li-ion
AC Adapter	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)	31.27 x 22.71 x 1.79 - 1.80 cm (12.31" x 8.94" x 0.70" - 0.71")
Starting Weight (with Battery)	1.48 kg (3.26lbs)
Starting Weight (w/O Battery)	1.22 kg (2.69lbs)

Security	Fingerprint sensor integrated with Power Key
	Kensington Nano Security Slot(6x 2.5mm)
	Trusted Platform Module (TPM) 2.0
	Microsoft Secured-core PC
	BIOS Integrity Measurement Support
	Microsoft Security Level 3
	Support Absolute Persistence 2.0 (Computrace)
	BIOS Self Recovery
Antivirus	McAfee 1 year
MyASUS feature	System diagnosis
	Battery health charging
	Fan Profile
	Splendid
	Function key lock
	AppDeals
	Link to MyASUS
MyExpert Features	ExpertMeet(Only Watermark)
Reparability Index (for Belgium)	9.4
Reparability Index (for France)	9.8

FAQ

What processor and AI capabilities does this laptop offer?

The ASUS ExpertBook P5 G2 is powered by the AMD Ryzen AI 7 345 processor with a Turbo Boost up to 4.6GHz, featuring an integrated NPU capable of over 40 TOPS for efficient AI tasks.

Is it possible to upgrade the memory or storage later?

Yes, this model includes two DDR5 SO-DIMM slots that support a maximum of 64GB of RAM and comes with both an M.2 2230 slot for Wi-Fi and an additional M.2 2280 slot available for expanding your SSD storage.

What kind of display quality can I expect from this notebook?

The device features a 14-inch WUXGA (1920 x 1200) non-glossy LED backlit display with 300 nits brightness and wide viewing angles, offering clear visuals for work without glare.

Does this laptop include security features like fingerprint scanning or a webcam cover?

Absolutely; it is equipped with a Fingerprint Reader integrated into the power key, a physical webcam shield for privacy, and supports Windows 11 Secured-core technologies to protect your data.

What connectivity options are available for external devices and networks?

You will have access to Wi-Fi 7, Gigabit Ethernet LAN, two USB 3.2 Gen 1 Type-A ports, two USB 3.2 Gen 2 Type-C ports supporting display and power delivery, as well as an HDMI output.

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-PM5406CKA-R716512GAIW-Asus-ExpertBook-PM5406CKA-Notebook-Ryzen-lp-342163.php

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