

# Samsung Galaxy Book5 Pro NP944XHA-KG1DE laptop

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<b>Artikel</b>	139893
<b>Herstellernummer</b>	NP944XHA-KG1DE
<b>EAN</b>	8806097209744
Samsung	

## Powerful processor driving the Next-Gen AI PC

Experience a new level of transformative AI performance on Galaxy Book5 Pro 14" with the super-fast Intel® Core™ Ultra processor (Series 2), upgraded graphics and an advanced NPU capable of up to 47 TOPS. Harness all that power to blaze through heavy workloads, render complex 3D models and easily complete AI-intensive tasks with incredible speed.

## Stay powered up with a long-lasting battery

Charge once to stay productive with the long-lasting battery of Galaxy Book5 Pro 14", supporting up to 21 hours of video runtime. To power up, plug in the compact charger to get up to 41% in just about 30 minutes using fast charging.

## Amp it up with quad speakers

Boost your viewing experience with the rich and deep audio of the quad-speaker system on Galaxy Book5 Pro 14". The four speakers are tuned with Dolby Atmos surround sound, so you feel fully immersed.

## Brighten up video calls with Staggered HDR

Jump into online meetings confidently with Staggered HDR. Your webcam video stays crisp and vivid with a wide dynamic range, so you are camera-ready for calls in the office or on the go.

## Smarter touchpad. Dongle-free ports

Navigate easily using the touchpad with adaptive palm rejection — control your taps with precision thanks to palm monitoring on the subdivided palm area, reducing the chance of accidental touches. Plus, connect devices to your workstation using the two built-in Thunderbolt 4 ports, HDMI, USB-A, microSD card slot and Headphone/Mic.

## Wi-Fi 7. Full speed ahead

Go online, stay online — Wi-Fi 7 is up to 4.8x faster than Wi-Fi 6, letting you connect reliably with lightning speed. Join online meetings, share updates and stay in touch easily with smooth real-time interactions and ultra-low latency.

## Samsung Knox. Pro security

Safeguard your system with premium security from Samsung Knox. A dedicated security chip in the hardware is designed to shield you device in real time. Protected all around, your laptop's critical system data can stay safe from potential threats and breaches.

## From first draft to fine art

Need a custom image for a presentation? Use Cocreator in Paint — sketch your idea and watch as AI transforms it into artwork. Edit, regenerate and apply finishing touches using simple prompts.

## Go global with real-time translations

Catch every word in conference calls with Live Captions. AI automatically detects speech in meetings and video streams and converts it into English captions in real time, helping you to stay in the know.

## Launch AI with one press

A single press is all it takes to launch Copilot — the dedicated key on the keyboard of Galaxy Book5 Pro puts personalised AI assistance at your fingertips for instant access when you need it.

**Dynamic AMOLED 2X. Vivid visuals come to life**

From detailed presentations to vibrant content, it all looks captivating on the high-resolution Dynamic AMOLED 2X display. With vivid colours, smooth motion and reduced blue light emission for eye comfort, this brilliant screen is a sight to behold.

**Dazzling views at any angle**

Take in all the details on the anti-reflective screen thanks to Corning® Gorilla® Glass with DX. The surface treated cover glass with less than 2% reflectance decreases the amount of unwanted surface reflection, helping visuals to remain crisp and legible from a variety of angles.

**Control at your fingertips**

Galaxy Book5 Pro's touchscreen puts control at your fingertips. Navigate through apps and menus, edit content, fine-tune project details and more using intuitive multi-touch gestures that enhance productivity and creativity at every touch.

**Vision Booster. Look on the bright side**

See your content clearly even in the bright outdoors with Vision Booster. An intelligent algorithm uses tone mapping to adjust the contrast and colours depending on the light conditions, so your views stay vivid in various environments.

**Quick Share. Swift, safe transfers**

Sharing pics, docs and massive files between Samsung Galaxy devices is a breeze with Quick Share. Connect devices via direct wireless pairing for instant transfers, even if it's something sensitive — the private sharing feature encrypts your data with blockchain technology for safekeeping.

**Multiple devices, unified control**

With Multi Control, multitask seamlessly across Samsung devices using your PC's keyboard with a mouse. Navigate through menus, access files and data, copy and paste content easily between your laptop and your smartphone, Galaxy Tab, Samsung TV or Smart monitor.

**Bring along your Tab as a Second Screen**

Double your workspace by connecting Galaxy Tab as an additional display to your PC. Link the devices with just a click on your laptop, then take advantage of the extra space on Galaxy Tab with Extension, Duplicate and Rotation modes to rearrange your view.

**Access your mobile world on PC**

Connect your smartphone to your PC via Phone Link to access recently viewed webpages or launch up to 5 mobile apps right from your laptop. Use smart AI features from your Galaxy smartphone and get an expanded view on the big screen of Galaxy Book5 Pro.

## Zusammenfassung

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Samsung Galaxy Book5 Pro NP944XHA-KG1DE, Intel Core Ultra 5, 35.6 cm (14"), 2880 x 1800 pixels, 16 GB, 512 GB, Windows 11 Pro

Samsung Galaxy Book5 Pro NP944XHA-KG1DE. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 5, Processor model: 226V. Display diagonal: 35.6 cm (14"), HD type: WQXGA+, Display resolution: 2880 x 1800 pixels, Touchscreen. Internal memory: 16 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel Arc Graphics 130V. Operating system installed: Windows 11 Pro. Product colour: Grey

## **Merkmale**

## Performance

Ambient light sensor	Yes
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## Battery

Battery capacity	63.1 Wh
Battery life (max)	21 h

## Packaging content

AC adapter included	Yes
Cables included	USB Type-C

## Security

Fingerprint reader	Yes
Trusted Platform Module (TPM)	Yes

## Design

Product type	Laptop
Product colour	Grey
Form factor	Clamshell

## Keyboard

Pointing device	Clickpad
Numeric keypad	No
Keyboard backlit	Yes

## Memory

Internal memory	16 GB
Internal memory type	LPDDR5x-SDRAM
Memory form factor	On-board

## Software

Pre-installed software	Galaxy Book Experience, Multi Control, Second Screen, Samsung Notes, Samsung Gallery, Quick Share, Samsung Account, Samsung Settings, AI Select, SmartThings, Quick Search, Samsung Device Care, Screen Recorder, Live Wallpaper, Bixby, Samsung Find, Samsung Flow, Samsung Studio, Phone, Galaxy Book Smart Switch, Samsung Pass
Operating system installed	Windows 11 Pro

## Operational conditions

Operating temperature (T-T)	10 - 35 °C
Storage temperature (T-T)	-5 - 40 °C
Operating relative humidity (H-H)	20 - 80%
Storage relative humidity (H-H)	5 - 90%

## Power

AC adapter power	65 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
USB Type-C charging port	Yes

## Weight & dimensions

Width	312.3 mm
Depth	223.8 mm
Height	11.6 mm
Weight	1.23 kg

## Network

Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Mobile network connection	No
Antenna type	2x2
Bluetooth	Yes
Bluetooth version	5.4

## Ports & interfaces

USB 3.2 Gen 2 (3.1 Gen 2) Type-1 A ports quantity	
HDMI ports quantity	1
HDMI version	2.1
Thunderbolt 4 ports quantity	2
Intel® Thunderbolt 4	Yes
Combo headphone/mic port	Yes

## Graphics

Discrete graphics card model	Not available
On-board graphics card	Yes
On-board GPU manufacturer	Intel
Discrete graphics card	No
On-board graphics card family	Intel Arc Graphics
On-board graphics card model	Intel Arc Graphics 130V
On-board graphics card memory	16 GB

## Neural processor unit (NPU)

Neural processor unit (NPU)	Intel AI Boost
Sparsity support	Yes
Windows Studio effects support	Yes
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN
Total processor performance up to	97 TOPs

Copilot+ PC	Yes
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NPU performance up to	40 TOPs
GPU performance up to	53 TOPs

## Audio

Audio system	Dolby Atmos
Number of built-in speakers	4
Built-in microphone	Yes
Number of microphones	2

## Camera

Front camera	Yes
Front camera resolution (numeric)	2 MP
Front camera resolution	1920 x 1080 pixels
Front camera HD type	Full HD

## Storage

Total storage capacity	512 GB
Storage media	SSD
Total SSDs capacity	512 GB
Number of SSDs installed	1
SSD capacity	512 GB
Optical drive type	No
Card reader integrated	Yes
Compatible memory cards	MicroSD (TransFlash), MicroSDHC, MicroSDXC

## Display

Display diagonal	35.6 cm (14")
Display resolution	2880 x 1800 pixels
Touchscreen	Yes
HD type	WQXGA+
Panel type	AMOLED
Display technology marketing name	Dynamic AMOLED 2X
Native aspect ratio	16:10
Anti-reflective coating	Yes
Display brightness	400 cd/m <sup>2</sup>
Maximum display brightness (HDR)	500 cd/m <sup>2</sup>
RGB colour space	DCI-P3
Maximum refresh rate	120 Hz
High Dynamic Range (HDR) supported	Yes
High Dynamic Range (HDR) technology	High Dynamic Range (HDR) 500 technology

## Processor

Processor manufacturer	Intel
Processor family	Intel Core Ultra 5
Processor generation	Intel Core Ultra (Series 2)
Processor model	226V
Processor cores	8
Processor threads	8
Processor boost frequency	4.5 GHz
Performance cores	4
Low Power Efficient-cores	4
Performance-core Max Turbo Frequency	4.5 GHz
Low Power Efficient-core Max Turbo Frequency	3.5 GHz
Performance-core base frequency	2.1 GHz
Low Power Efficient-core Base Frequency	2100 MHz
Processor cache	8 MB
Processor cache type	Smart Cache
Processor base power	17 W
Maximum turbo power	37 W