

Samsung Book6 Ultra 16" Win11Pro U7 32GB 1TB RTX5070 (NP964UJH-XG5BE)

Samsung Galaxy Book6 Ultra - Copilot+ PC - Intel Core Ultra 7 - 356H / up to 4.7 GHz - Win 11 Pro - GeForce RTX 5070 - 32 GB RAM - 1 TB SSD NVMe - 16" AMOLED touchscreen 2880 x 1800 (WQXGA+) @ 120 Hz - Wi-Fi 7, Bluetooth - grey



The Samsung Galaxy Book6 Ultra delivers performance and visuals with its 16-inch OLED display. Featuring a resolution of 2880 x 1800 and HDR 1000 True Black technology, this notebook is designed for an immersive viewing experience. The touch-enabled screen and anti-reflective coating enhance usability, making it ideal for work and entertainment. Equipped with a Core Ultra 7 processor, 32 GB of RAM, and a 1 TB SSD, it handles multitasking with ease. The combination of NVIDIA GeForce RTX 5070 graphics and a haptic touchpad ensures fluid navigation and graphics performance. Connectivity options include Thunderbolt 4, HDMI, and dual USB-C ports, providing versatility for your peripherals and devices.

Key Selling Points

- 16-inch OLED display with 2880 x 1800 resolution for vibrant visuals
- Equipped with Core Ultra 7 processor and NVIDIA GeForce RTX 5070 for enhanced performance
- 1 TB SSD storage for fast data access and ample storage space
- Supports Wi-Fi 7 and Bluetooth 5.4 for seamless connectivity
- Features a high-quality dual array microphone and six speakers with Dolby Atmos

Product Features

Impressive display quality

The 16-inch OLED screen utilizes AMOLED technology, ensuring rich colors and deep blacks with a brightness of 1000 cd/m2. The display is also equipped with HDR 1000 True Black and an anti-reflective coating, optimizing it for various lighting conditions.

Robust performance capabilities

Powered by a 16-core Core Ultra 7 processor, this notebook supports a clock speed of 1.9 GHz and can boost up to 4.7 GHz, providing processing power for demanding applications.

Generous storage and memory

With a 1 TB SSD and 32 GB of LPDDR5X RAM, the Galaxy Book6 Ultra ensures quick boot times and efficient multitasking, making it suitable for professional and casual use.

Advanced audio experience

The notebook features six speakers with Smart Amp technology and Dolby Atmos support, offering immersive sound quality that enhances multimedia consumption.

Versatile connectivity options

The Galaxy Book6 Ultra is outfitted with Thunderbolt 4, USB-C, and HDMI ports, facilitating fast data transfers and connectivity to various devices while also including a USB-C charger and cable.

Main Specifications

Product Description	Samsung Galaxy Book6 Ultra - Copilot+ PC - 16" - Intel Core Ultra 7 - 356H - 32 GB RAM - 1 TB SSD
Product Type	Notebook - Copilot+ PC
EU Data Act	https://dataact.samsung.com/#/public/notice-page?locale=en
Operating System	Win 11 Pro
Processor	Intel Core Ultra 7 (Series 3) - 356H / 1.9 GHz, up to 4.7 GHz / 18 MB Cache
Neural Processor Unit (NPU)	- up to 50 TOPS
Memory	32 GB LPDDR5X SDRAM (provided memory is soldered)
Storage	1 TB SSD - NVMe
Display	16" touchscreen 2880 x 1800 / WQXGA+ @ 120 Hz
Graphics	NVIDIA GeForce RTX 5070 - up to 40 TOPS
Video Memory	8 GB GDDR7 SDRAM
Input Device	ClickPad
Keyboard Backlight	Yes
Integrated Webcam	Yes
Microsoft Copilot	Yes
Networking	802.11a/b/g/n/ac/ax/be, Bluetooth 5.4

Battery	Up to 30 hours
Features	Ambient light sensor, hall sensor
Security	Trusted Platform Module (TPM) Security Chip, fingerprint reader
Colour	Grey
Dimensions (WxDxH)	35.69 cm x 24.8 cm x 1.54 cm
Weight	1.89 kg
Manufacturer Warranty	Limited warranty - 2 years

Extended Specification

General

Product Type	Notebook
AI Level	Copilot+ PC
Operating System	Windows 11 Pro
EU Data Act	https://dataact.samsung.com/#/public/notice-page?locale=en

Memory

RAM	32 GB (provided memory is soldered)
Technology	LPDDR5X SDRAM

Manufacturer Warranty

Service & Support	Limited warranty - 2 years
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Storage

Main Storage	1 TB SSD - NVMe Express (NVMe)
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Miscellaneous

Colour	Grey
Integrated Options	Ambient light sensor, hall sensor
Security	Trusted Platform Module (TPM) Security Chip, fingerprint reader
Features	Vision Booster, Galaxy AI
Included Accessories	USB-C power adapter
Cables Included	USB-C to USB-C cable

Software

Microsoft Copilot	Yes
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Display

Type	16" - AMOLED
Touchscreen	Yes
Resolution	2880 x 1800 (WQXGA+)
V-Sync Rate at Max Res.	120 Hz
Widescreen	Yes
Image Aspect Ratio	16:10
Image Brightness	1000 cd/m ²
Features	SmartThings App Support, anti-reflective, HDR 1000 True Black, Variable refresh rate (VRR), GorillaGlass with DX
Keyboard Name	Pro keyboard

Battery

Technology	Lithium Ion
Capacity	80.2 Wh
Run Time	Up to 30 hours
Battery Run Time	Video playback: up to 30 hours

Communications

Wireless	802.11a/b/g/n/ac/ax/be, Bluetooth 5.4
Features	Dual stream (2x2)

Dimensions & Weight

Dimensions (WxDxH)	35.69 cm x 24.8 cm x 1.54 cm
Weight	1.89 kg

Processor / Chipset

CPU	Intel Core Ultra 7 (Series 3) 356H / 1.9 GHz
Max Turbo Speed	4.7 GHz
Number of Cores	16-core
Performance Cores	4
Efficient Cores	12
Cache	18 MB

Audio & Video

Graphics Processor	NVIDIA GeForce RTX 5070 - up to 40 TOPS
Video Memory	8 GB GDDR7 SDRAM
Camera	Yes - 1080p
Resolution	2 Megapixel
Sound	Six speakers, dual array microphone
Compliant Standards	Dolby Atmos
Audio Features	Output: Smart Amp

Input

Type	Keyboard, ClickPad
Keyboard Backlight	Yes
Features	Haptic touchpad, Copilot key

Connections & Expansion

Slots	2 x M.2 SATA/NVMe SSD
Interfaces Details	HDMI † 2 x Thunderbolt 4 † USB 3.2 (Type A) † Headphone/microphone combo jack (mini-phone 3.5 mm)
Memory Card Reader	Yes (microSD)

Neural Processor Unit (NPU)

NPU Performance Up To (TOPS)	50 TOPS
AI Datatype Support on NPU	INT8
Sparsity Support	Yes
AI Software Frameworks Supported by NPU	OpenVINO, WebNN, WindowsML, ONNX RT
Windows Studio Effects Support	Yes