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Samsung Galaxy Book6 Pro Copilot+ PC Intel Core Ultra 7 356H Laptop 40.6 cm (16") Touchscreen WQXGA+ 32 GB LPDDR5x-SDRAM 512 GB SSD Wi-Fi 7 (802.11be) Windows 11 Pro Grey

Brand : Samsung

Product family: Galaxy Book6 Pro

Product code: NP964XJG-KG1US

Product name : Galaxy Book6 Pro

- Windows 11 Pro 64-bit
- Intel Core Ultra 7 356H (18MB Cache)
- 16" WQXGA+ 2880 x 1800 AMOLED Touch
- 32GB LPDDR5x-SDRAM & 512GB SSD

Intel Core Ultra 7 356H (18MB Cache), 32GB LPDDR5x-SDRAM, 512GB SSD, 16" WQXGA+ 2880 x 1800 AMOLED Touch, Intel Graphics, WLAN, Webcam, Windows 11 Pro 64-bit
Samsung Galaxy Book6 Pro . Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 356H. Display diagonal: 40.6 cm (16"), HD type: WQXGA+, Display resolution: 2880 x 1800 pixels, Touchscreen. Internal memory: 32 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel® Graphics. Operating system installed: Windows 11 Pro. Product colour: Grey

Design	
Product type *	Laptop
Product colour *	Grey
Form factor *	Clamshell
Housing material	Metal
Introduction year	2026
Certified refurbished	✕

Display	
Display diagonal *	40.6 cm (16")
Display resolution *	2880 x 1800 pixels
Touchscreen *	✔
HD type	WQXGA+
Panel type	AMOLED
Display technology marketing name	Dynamic AMOLED 2X
Native aspect ratio	16:10
Anti-reflective coating	✔
Display glass type	Gorilla Glass
Maximum display brightness (HDR)	1000 cd/m²
Standard Dynamic Range (SDR) brightness	500 cd/m²
Display diagonal (metric)	40.6 cm
Maximum refresh rate	120 Hz
High Dynamic Range (HDR) supported	✔
High Dynamic Range (HDR) technology	DisplayHDR True Black 1000

Processor	
Processor manufacturer *	Intel
Processor family *	Intel Core Ultra 7
Processor generation	Intel® Core™ Ultra (Series 3)
Processor model *	356H
Processor cores	16
Processor threads	16
Processor boost frequency	4.7 GHz
Performance cores	4

Storage	
SSD capacity	512 GB
NVMe	✔
SSD form factor	M.2
Optical drive type *	✕

Graphics	
Discrete graphics card model *	Not available
On-board graphics card *	✔
On-board GPU manufacturer	Intel
Discrete graphics card *	✕
On-board graphics card family	Intel® Graphics
On-board graphics card model *	Intel® Graphics
On-board graphics card cores	4
On-board graphics card 4K support	✔
On-board graphics card 8K support	✔
Graphics card Open GL support	✔

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

Camera	
Front camera	✔
Front camera resolution (numeric)	2 MP

Network	
Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax), Wi-Fi 6E (802.11ax), Wi-Fi 7 (802.11be)
Mobile network connection *	✕
Wi-Fi band	Tri-band (2.4 GHz / 5 GHz / 6 GHz)

Processor	
Efficient cores	8
Low Power Efficient-cores	4
Performance-core Max Turbo Frequency	4.7 GHz
Efficient-core Max Turbo Frequency	3.5 GHz
Low Power Efficient-core Max Turbo Frequency	3.3 GHz
Performance-core base frequency	1.9 GHz
Efficient-core base frequency	1.5 GHz
Low Power Efficient-core Base Frequency	1500 MHz
Processor cache	18 MB
Processor cache type	Smart Cache
Processor socket	FCBGA2540
Processor base power	25 W
Maximum turbo power	80 W

Neural processor unit (NPU)	
Copilot+ PC	✔
Neural processor unit (NPU)	Intel AI Boost
Sparsity support	✔
Windows Studio effects support	✔
AI software frameworks supported by NPU	Windows ML, OpenVINO, DirectML, ONNX RT, WebNN
NPU performance up to	50 TOPs

Memory	
Internal memory *	32 GB
Internal memory type	LPDDR5x-SDRAM
Memory form factor	On-board
Maximum internal memory *	32 GB

Storage	
Total storage capacity *	512 GB
Storage media *	SSD
Total SSDs capacity	512 GB
Number of SSDs installed	1

Network	
Bluetooth	✔
Bluetooth version	5.4
MIMO	✔

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

Performance	
Ambient light sensor	✔
Hall sensor	✔

Keyboard	
Pointing device	Touchpad
Numeric keypad *	✘
Keyboard backlit	✔
Copilot key	✔

Software	
Operating system architecture	64-bit
Operating system installed *	Windows 11 Pro

Battery	
Battery technology	Lithium-Ion (Li-Ion)
Battery capacity *	78.07 Wh
Continuous video playback time (max)	30 h
Fast charging	✔

Power	
USB Type-C charging port *	✔
USB Power Delivery (USB PD)	✔

Security	
Fingerprint reader	✔
Trusted Platform Module (TPM)	✔

Weight & dimensions	
Width	356.9 mm
Depth	248 mm
Height	11.9 mm
Weight *	1.59 kg

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