

Samsung Galaxy Book6 Pro Copilot+ PC Intel Core Ultra 7 356H Laptop 40.6 cm (16") Touchscreen WQXGA+ 32 GB LPDDR5x-SDRAM 1 TB SSD Wi-Fi 7 (802.11be) Windows 11 Pro Grey

Brand : Samsung Product family: Galaxy Book6 Pro Product code: NP964XJG-KG4SE

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 & 1000GB SSD
Intel Core Ultra 7 356H (18MB Cache), 32GB LPDDR5x-SDRAM, 1000GB 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: 1 TB, Storage media: SSD. On-board graphics card model: Intel® Graphics. Operating system installed: Windows 11 Pro. Product colour: Grey



Design		Storage	
Product type *	Laptop	SSD form factor	M.2
Product colour *	Grey	Optical drive type *	✗
Form factor *	Clamshell	Graphics	
Housing material	Metal	Discrete graphics card model *	Not available
Introduction year	2026	On-board graphics card *	✓
Certified refurbished	✗	On-board GPU manufacturer	Intel
Display		Discrete graphics card *	✗
Display diagonal *	40.6 cm (16")	On-board graphics card family	Intel® Graphics
Display resolution *	2880 x 1800 pixels	On-board graphics card model *	Intel® Graphics
Touchscreen *	✓	On-board graphics card cores	4
HD type	WQXGA+	On-board graphics card 4K support	✓
Panel type	AMOLED	On-board graphics card 8K support	✓
Display technology marketing name	Dynamic AMOLED 2X	Graphics card Open GL support	✓
Native aspect ratio	16:10	Audio	
Anti-reflective coating	✓	Audio system	Dolby Atmos
Display glass type	Gorilla Glass	Number of built-in speakers	4
Maximum display brightness (HDR)	1000 cd/m²	Built-in microphone	✓
Standard Dynamic Range (SDR) brightness	500 cd/m²	Number of microphones	2
Display diagonal (metric)	40.6 cm	Camera	
Maximum refresh rate	120 Hz	Front camera	✓
High Dynamic Range (HDR) supported	✓	Front camera resolution (numeric)	2 MP
High Dynamic Range (HDR) technology	DisplayHDR True Black 1000	Network	
Processor		Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Processor manufacturer *	Intel	Wi-Fi standards	
Processor family *	Intel Core Ultra 7		
Processor generation	Intel® Core™ Ultra (Series 3)	Mobile network connection *	✗
Processor model *	356H	Wi-Fi band	Tri-band (2.4 GHz / 5 GHz / 6 GHz)
Processor cores	16	Bluetooth	✓
Processor threads	16	Bluetooth version	5.4
Processor boost frequency	4.7 GHz		
Performance cores	4		

Processor		Network	
Efficient cores	8	MIMO	✓
Low Power Efficient-cores	4	Ports & interfaces	
Performance-core Max Turbo Frequency	4.7 GHz	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Efficient-core Max Turbo Frequency	3.5 GHz	HDMI ports quantity *	1
Low Power Efficient-core Max Turbo Frequency	3.3 GHz	HDMI version	2.1
Performance-core base frequency	1.9 GHz	Thunderbolt 4 ports quantity	2
Efficient-core base frequency	1.5 GHz	Intel® Thunderbolt 4	✓
Low Power Efficient-core Base Frequency	1500 MHz	Combo headphone/mic port	✓
Processor cache	18 MB	Performance	
Processor cache type	Smart Cache	Ambient light sensor	✓
Processor socket	FCBGA2540	Hall sensor	✓
Processor base power	25 W	Keyboard	
Maximum turbo power	80 W	Pointing device	Touchpad
Neural processor unit (NPU)		Numeric keypad *	✗
Copilot+ PC	✓	Keyboard backlit	✓
Neural processor unit (NPU)	Intel AI Boost	Copilot key	✓
Sparsity support	✓	Software	
Windows Studio effects support	✓	Operating system architecture	64-bit
AI software frameworks supported by NPU	Windows ML, OpenVINO, DirectML, ONNX RT, WebNN	Operating system installed *	Windows 11 Pro
NPU performance up to	50 TOPs	Battery	
Memory		Battery technology	Lithium-Ion (Li-Ion)
Internal memory *	32 GB	Battery capacity *	78.07 Wh
Internal memory type	LPDDR5x-SDRAM	Continuous video playback time (max)	30 h
Memory form factor	On-board	Fast charging	✓
Maximum internal memory *	32 GB	Power	
Storage		USB Type-C charging port *	✓
Total storage capacity *	1 TB	USB Type-C required charging power (min) *	60 W
Storage media *	SSD	USB Type-C required charging power (max) *	65 W
Total SSDs capacity	1 TB	USB Power Delivery (USB PD)	✓
Number of SSDs installed	1	Security	
SSD capacity	1 TB	Fingerprint reader	✓
NVMe	✓	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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