

Samsung Galaxy Book6 Pro Copilot+ PC Intel Core Ultra 5 325 Laptop 40.6 cm (16") Touchscreen WQXGA+ 16 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-KA1US

Product name : Galaxy Book6 Pro

- Windows 11 Pro 64-bit
- Intel Core Ultra 5 325 (12MB Cache)
- 16" WQXGA+ 2880 x 1800 AMOLED Touch
- 16GB LPDDR5x-SDRAM & 512GB SSD

Intel Core Ultra 5 325 (12MB Cache), 16GB 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 5, Processor model: 325. Display diagonal: 40.6 cm (16"), 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® Graphics. Operating system installed: Windows 11 Pro. Product colour: Grey



Design		Storage	
Product type *	Laptop	NVMe	✓
Product colour *	Grey	SSD form factor	M.2
Form factor *	Clamshell	Optical drive type *	✗
Housing material	Metal	Graphics	
Introduction year	2026	Discrete graphics card model *	Not available
Certified refurbished	✗	On-board graphics card *	✓
Display		On-board GPU manufacturer	Intel
Display diagonal *	40.6 cm (16")	Discrete graphics card *	✗
Display resolution *	2880 x 1800 pixels	On-board graphics card family	Intel® Graphics
Touchscreen *	✓	On-board graphics card model *	Intel® Graphics
HD type	WQXGA+	On-board graphics card cores	4
Panel type	AMOLED	On-board graphics card 4K support	✓
Display technology marketing name	Dynamic AMOLED 2X	On-board graphics card 8K support	✓
Native aspect ratio	16:10	Graphics card Open GL support	✓
Anti-reflective coating	✓	Ray tracing acceleration	✓
Display glass type	Gorilla Glass	Audio	
Maximum display brightness (HDR)	1000 cd/m²	Audio system	Dolby Atmos
Standard Dynamic Range (SDR) brightness	500 cd/m²	Number of built-in speakers	4
Display diagonal (metric)	40.6 cm	Built-in microphone	✓
Maximum refresh rate	120 Hz	Number of microphones	2
High Dynamic Range (HDR) supported	✓	Camera	
High Dynamic Range (HDR) technology	DisplayHDR True Black 1000	Front camera	✓
Processor		Front camera resolution (numeric)	2 MP
Processor manufacturer *	Intel	Network	
Processor family *	Intel Core Ultra 5	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Processor generation	Intel® Core™ Ultra (Series 3)	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)
Processor model *	325	Mobile network connection *	✗
Processor cores	8	Wi-Fi band	Tri-band (2.4 GHz / 5 GHz / 6 GHz)
Processor threads	8		
Processor boost frequency	4.5 GHz		
Performance cores	4		

Processor		Network	
Low Power Efficient-cores	4	Bluetooth	✓
Performance-core Max Turbo Frequency	4.5 GHz	Bluetooth version	5.4
Low Power Efficient-core Max Turbo Frequency	3.4 GHz	MIMO	✓
Neural processor unit (NPU)		Ports & interfaces	
Performance-core base frequency	2.1 GHz	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Efficient-core base frequency	1.6 GHz	HDMI ports quantity *	1
Low Power Efficient-core Base Frequency	1600 MHz	HDMI version	2.1
Processor cache	12 MB	Thunderbolt 4 ports quantity	2
Processor cache type	Smart Cache	Intel® Thunderbolt 4	✓
Processor socket	FCBGA2540	Combo headphone/mic port	✓
Processor base power	25 W	Performance	
Maximum turbo power	55 W	Ambient light sensor	✓
		Hall sensor	✓
Memory		Keyboard	
Copilot+ PC	✓	Pointing device	Touchpad
Neural processor unit (NPU)	Intel AI Boost	Numeric keypad *	✗
Sparsity support	✓	Keyboard backlit	✓
Windows Studio effects support	✓	Copilot key	✓
AI software frameworks supported by NPU	OpenVINO, Windows ML, ONNX RT, WebNN	Software	
NPU performance up to	47 TOPs	Operating system architecture	64-bit
GPU performance up to	40 TOPs	Operating system installed *	Windows 11 Pro
Storage		Battery	
Internal memory *	16 GB	Battery technology	Lithium-Ion (Li-Ion)
Internal memory type	LPDDR5x-SDRAM	Battery capacity *	78.07 Wh
Memory form factor	On-board	Continuous video playback time (max)	30 h
Maximum internal memory *	16 GB	Fast charging	✓
Power		Security	
Total storage capacity *	512 GB	Fingerprint reader	✓
Storage media *	SSD	Trusted Platform Module (TPM)	✓
Total SSDs capacity	512 GB	Weight & dimensions	
Number of SSDs installed	1	Width	356.9 mm
SSD capacity	512 GB	Depth	248 mm
		Height	11.9 mm
		Weight *	1.59 kg



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