

Samsung Galaxy Book6 Pro (14", Core Ultra 7, 16GB), a Copilot+ PC



Brand : Samsung

Product family: Galaxy Book6 Pro

Product code: NP940XJG-KG3UK

Product name : Galaxy Book6 Pro (14", Core Ultra 7, 16GB), a Copilot+ PC

- New Intel® Core™ Ultra Series 3 processor.
- Dynamic AMOLED 2X touchscreen.
- Refreshed aluminium design, two-toned keyboard and with Dolby Atmos.

Galaxy Book6 Pro (14", Core Ultra 7, 16GB), a Copilot+ PC

Samsung Galaxy Book6 Pro (14", Core Ultra 7, 16GB), a Copilot+ PC. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 356H. 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: 256 GB, Storage media: SSD. On-board graphics card model: Intel® Graphics. Operating system installed: Windows 11 Home. Product colour: Grey

Design		Graphics	
Product type *	Laptop	Discrete graphics card *	✗
Product colour *	Grey	On-board graphics card family	Intel® Graphics
Form factor *	Clamshell	On-board graphics card model *	Intel® Graphics
Housing material	Metal	On-board graphics card cores	4
Introduction year	2026	On-board graphics card 4K support	✓
Original brand name	Samsung	On-board graphics card 8K support	✓
Display		Graphics card Open GL support	✓
Display diagonal *	35.6 cm (14")	Audio	
Display resolution *	2880 x 1800 pixels	Audio system	Smart Amp
Touchscreen *	✓	Number of built-in speakers	2
HD type	WQXGA+	Built-in microphone	✓
Panel type	AMOLED	Number of microphones	2
Display technology marketing name	Dynamic AMOLED 2X	Speakers	Stereo Speakers
Native aspect ratio	16:10	Camera	
Anti-reflective coating	✓	Front camera	✓
Maximum display brightness (HDR)	1000 cd/m²	Front camera resolution (numeric)	2 MP
Standard Dynamic Range (SDR) brightness	500 cd/m²	Network	
Display diagonal (metric)	35.6 cm	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Maximum refresh rate	120 Hz	Wi-Fi standards	802.11a, 802.11b, 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), 802.11g
High Dynamic Range (HDR) supported	✓		
High Dynamic Range (HDR) technology	DisplayHDR True Black 1000	Mobile network connection *	✗
Processor		Wi-Fi band	Tri-band (2.4 GHz / 5 GHz / 6 GHz)
Processor manufacturer *	Intel	Bluetooth	✓
Processor family *	Intel Core Ultra 7	Bluetooth version	5.4
Processor generation	Intel® Core™ Ultra (Series 3)	MIMO	✓
Processor model *	356H	Ports & interfaces	
Processor cores	16	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Processor boost frequency	4.7 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
Performance cores	4	HDMI ports quantity *	1
Efficient cores	8	HDMI version	2.1
Low Power Efficient-cores	3.3	Thunderbolt 4 ports quantity	2
Performance-core Max Turbo Frequency	4.7 GHz		
Efficient-core Max Turbo Frequency	3.5 GHz		

Processor		Ports & interfaces	
Low Power Efficient-core Max Turbo Frequency	3.3 GHz	Intel® Thunderbolt 4	✓
Performance-core base frequency	1.9 GHz	Combo headphone/mic port	✓
Efficient-core base frequency	1.5 GHz	Performance	
Low Power Efficient-core Base Frequency	1.5 MHz	Ambient light sensor	✓
Processor cache	18 MB	Hall sensor	✓
Processor base power	25 W	Keyboard	
Maximum turbo power	80 W	Keyboard type	Pro keyboard
Neural processor unit (NPU)		Pointing device	Touchpad
Sparsity support	✓	Numeric keypad *	✗
Windows Studio effects support	✓	Keyboard backlit	✓
AI software frameworks supported by NPU	Windows ML, OpenVINO, WebNN, ONNX RT	Keyboard layout	QWERTY
NPU performance up to	50 TOPs	Keyboard language	English
Memory		Copilot key	✓
Internal memory *	16 GB	Software	
Internal memory type	LPDDR5x-SDRAM	Operating system installed *	Windows 11 Home
Memory form factor	On-board	Battery	
Maximum internal memory *	16 GB	Battery technology	Lithium-Ion (Li-Ion)
Storage		Battery capacity *	67.18 Wh
Total storage capacity *	256 GB	Fast charging	✓
Storage media *	SSD	Power	
Total SSDs capacity	256 GB	USB Type-C charging port *	✓
Number of SSDs installed	1	USB Type-C required charging power (min) *	60 W
SSD capacity	256 GB	USB Type-C required charging power (max) *	65 W
NVMe	✓	USB Power Delivery (USB PD)	✓
SSD form factor	M.2	Security	
Optical drive type *	✗	Fingerprint reader	✓
Graphics		Trusted Platform Module (TPM)	✓
Discrete graphics card model *	Not available	Weight & dimensions	
On-board graphics card *	✓	Width	314.2 mm
On-board GPU manufacturer	Intel	Depth	220.6 mm
		Height	11.6 mm
		Width (imperial)	31.4 cm (12.4")
		Depth (imperial)	22.1 cm (8.69")
		Height (imperial)	1.17 cm (0.46")
		Weight *	1.24 kg
		Weight (imperial)	1.24 kg (2.73 lbs)

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