

Samsung Galaxy Book5 Pro (14", Core Ultra 7, 16GB)

Brand : Samsung

Product code: NP944XHA-KG2UK

Product name : Galaxy Book5 Pro (14", Core Ultra 7, 16GB)

14.0" WQXGA+ AMOLED (2880 x 1800), Intel Core Ultra 7 256V, Intel Arc 140V GPU, Intel AI Boost, 16 GB LPDDR5X, 512 GB NVMe SSD, 2MP Camera, Bluetooth v5.4, Wi-Fi 7, 1 x HDMI 2.1, 2 x Thunderbolt 4, 1 x USB3.2, MicroSD, 1.23 kg, Windows 11 Pro  
Samsung Galaxy Book5 Pro (14", Core Ultra 7, 16GB). Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 256V. 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: 512 GB, Storage media: SSD. On-board graphics card model: Intel Arc Graphics 140V. Operating system installed: Windows 11 Pro. Product colour: Grey



Design		Audio	
Product type *	Laptop	Built-in microphone	✓
Product colour *	Grey	Number of microphones	2
Form factor *	Clamshell	Camera	
Display		Front camera	✓
Display diagonal *	35.6 cm (14")	Front camera resolution (numeric)	2 MP
Display resolution *	2880 x 1800 pixels	Front camera resolution	1920 x 1080 pixels
Touchscreen *	✓	Front camera HD type	Full HD
HD type	WQXGA+	Network	
Panel type	AMOLED	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Display technology marketing name	Dynamic AMOLED 2X	Mobile network connection *	✗
Native aspect ratio	16:10	Antenna type	2x2
Anti-reflective coating	✓	Bluetooth	✓
Display brightness	400 cd/m²	Bluetooth version	5.4
Maximum display brightness (HDR)	500 cd/m²	Ports & interfaces	
RGB colour space	DCI-P3	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
Maximum refresh rate	120 Hz	HDMI ports quantity *	1
High Dynamic Range (HDR) supported	✓	HDMI version	2.1
High Dynamic Range (HDR) technology	High Dynamic Range (HDR) 500	Thunderbolt 4 ports quantity	2
Processor		Intel® Thunderbolt 4	✓
Processor manufacturer *	Intel	Combo headphone/mic port	✓
Processor family *	Intel Core Ultra 7	Performance	
Processor generation	Intel Core Ultra (Series 2)	Ambient light sensor	✓
Processor model *	256V	Keyboard	
Processor boost frequency	4.8 GHz	Pointing device	Clickpad
Processor cache	12 MB	Numeric keypad *	✗
Processor cache type	Last Level Cache	Keyboard backlit	✓
Neural processor unit (NPU)			
Neural processor unit (NPU)	Intel AI Boost		
Memory			
Internal memory *	16 GB		

Memory		Software	
Internal memory type	LPDDR5x-SDRAM	Pre-installed software	Galaxy Book Experience, Multi Control, Second Screen, Samsung Notes, Samsung Gallery, Quick Share, Samsung Account, Samsung Settings, AI Select, SmartThings, Quick Search, Samsung Device Care, Screen Recorder, Live Wallpaper, Bixby, Samsung Find, Samsung Flow, Samsung Studio, Phone, Galaxy Book Smart Switch, Samsung Pass
Memory form factor	On-board		
Storage			
Total storage capacity *	512 GB		
Storage media *	SSD		
Total SSDs capacity	512 GB	Operating system installed *	Windows 11 Pro
Number of SSDs installed	1		
SSD capacity	512 GB		
Optical drive type *	✗	Copilot+ PC	✓
Card reader integrated	✓	Battery	
Compatible memory cards	MicroSD (TransFlash), MicroSDHC, MicroSDXC	Battery capacity *	63.1 Wh
		Battery life (max)	21 h
Graphics		Power	
Discrete graphics card model *	Not available	AC adapter power	65 W
On-board graphics card *	✓	AC adapter frequency	50 - 60 Hz
On-board GPU manufacturer	Intel	AC adapter input voltage	100 - 240 V
Discrete graphics card *	✗	USB Type-C charging port *	✓
On-board graphics card family	Intel Arc Graphics	Security	
On-board graphics card model *	Intel Arc Graphics 140V	Fingerprint reader	✓
On-board graphics card memory	8 GB	Trusted Platform Module (TPM)	✓
Audio		Operational conditions	
Audio system	Dolby Atmos	Operating temperature (T-T)	10 - 35 °C
Number of built-in speakers	4	Storage temperature (T-T)	-5 - 40 °C
		Operating relative humidity (H-H)	20 - 80%
		Storage relative humidity (H-H)	5 - 90%
		Weight & dimensions	
		Width	312.3 mm
		Depth	223.8 mm
		Height	11.6 mm
		Weight *	1.23 kg
		Packaging content	
		AC adapter included *	✓
		Cables included	USB Type-C



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