

Samsung Galaxy Book5 Pro (14", Core Ultra 5, 16GB)

Brand : Samsung

Product family: Galaxy Book5 Pro

Product code: NP944XHA-KG3DE

Product name : Galaxy Book5 Pro (14", Core Ultra 5, 16GB)



Intel Core Ultra 7 258V (4.8GHz), 32GB LPDDR5x-SDRAM, 1TB SSD, 35.6 cm (14") WQXGA 2880 x 1800 AMOLED, Intel Arc Graphics 130V, WLAN, Webcam, Windows 11 Pro
Samsung Galaxy Book5 Pro (14", Core Ultra 5, 16GB). Product type: Laptop, Form factor: Clamshell.
Processor family: Intel Core Ultra 7, Processor model: 258V. Display diagonal: 35.6 cm (14"), 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 Arc Graphics 130V. Operating system installed: Windows 11 Pro. Product colour: Grey

Design		Graphics	
Product type *	Laptop	On-board graphics card memory	8 GB
Product colour *	Grey	Audio	
Form factor *	Clamshell	Audio system	Dolby Atmos
Display		Number of built-in speakers	4
Display diagonal *	35.6 cm (14")	Built-in microphone	✓
Display resolution *	2880 x 1800 pixels	Number of microphones	2
Touchscreen *	✓	Camera	
HD type	WQXGA+	Front camera	✓
Panel type	AMOLED	Front camera resolution (numeric)	2 MP
Display technology marketing name	Dynamic AMOLED 2X	Front camera resolution	1920 x 1080 pixels
Native aspect ratio	16:10	Front camera HD type	Full HD
Anti-reflective coating	✓	Network	
Display brightness	400 cd/m²	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Maximum display brightness (HDR)	500 cd/m²	Mobile network connection *	✗
RGB colour space	DCI-P3	Antenna type	2x2
Maximum refresh rate	120 Hz	Bluetooth	✓
High Dynamic Range (HDR) supported	✓	Bluetooth version	5.4
High Dynamic Range (HDR) technology	High Dynamic Range (HDR) 500	Ports & interfaces	
Processor		USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
Processor manufacturer *	Intel	HDMI ports quantity *	1
Processor family *	Intel Core Ultra 7	HDMI version	2.1
Processor generation	Intel Core Ultra (Series 2)	Thunderbolt 4 ports quantity	2
Processor model *	258V	Intel® Thunderbolt 4	✓
Processor cores	8	Combo headphone/mic port	✓
Processor threads	8	Performance	
Processor boost frequency	4.8 GHz	Ambient light sensor	✓
Performance cores	4	Repairability index	8.7
Low Power Efficient-cores	4	Keyboard	
Low Power Efficient-core Max Turbo Frequency	3.7 GHz	Pointing device	Clickpad
Performance-core base frequency	2.2 GHz	Numeric keypad *	✗
Low Power Efficient-core Base Frequency	2200 MHz	Keyboard backlit	✓
Processor cache	12 MB	Keyboard layout	QWERTZ
Processor cache type	Smart Cache	Keyboard language	German
Processor base power	17 W		
Maximum turbo power	37 W		
Neural processor unit (NPU)			
Copilot+ PC	✓		

Neural processor unit (NPU)		Software	
Neural processor unit (NPU)	Intel AI Boost		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		Pre-installed software	
Internal memory *	32 GB		
Internal memory type	LPDDR5x-SDRAM		
Memory form factor	On-board		
Storage		Operating system installed *	Windows 11 Pro
Total storage capacity *	1 TB		
Storage media *	SSD		
Number of SSDs installed	1		
SSD capacity	1 TB	Battery	
Optical drive type *	✗	Battery capacity *	63.1 Wh
Card reader integrated	✓	Battery life (max)	21 h
Compatible memory cards	MicroSD (TransFlash), MicroSDHC, MicroSDXC	Power	
Graphics		AC adapter power	65 W
Discrete graphics card model *	Not available	AC adapter frequency	50 - 60 Hz
On-board graphics card *	✓	AC adapter input voltage	100 - 240 V
On-board GPU manufacturer	Intel	USB Type-C charging port *	✓
Discrete graphics card *	✗	Security	
On-board graphics card family	Intel Arc Graphics	Fingerprint reader	✓
On-board graphics card model *	Intel Arc Graphics 130V	Trusted Platform Module (TPM)	✓
Operational conditions			
		Operating temperature (T-T)	10 - 35 °C
		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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