

Samsung Galaxy Book5 Pro Intel Core Ultra 7 256V 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 Book5 Pro Product code: NP964XHA-KG1US

Product name : Galaxy Book5 Pro

16" 2880 x 1800 WQXGA+, Intel Core Ultra 7 256V, 16 GB LPDDR5X-SDRAM, 512 GB SSD, Intel Arc 140V, WLAN 802.11, WebCam, Windows 11 Pro
Samsung Galaxy Book5 Pro . Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 256V. 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 Arc Graphics 140V. Operating system installed: Windows 11 Pro. Product colour: Grey



Design		Graphics	
Product type *	Laptop	On-board graphics card *	✓
Product colour *	Grey	On-board GPU manufacturer	Intel
Form factor *	Clamshell	Discrete graphics card *	✗
Original brand name	Samsung	On-board graphics card family	Intel Arc Graphics
Display		On-board graphics card model *	Intel Arc Graphics 140V
Display diagonal *	40.6 cm (16")	On-board graphics card memory	8 GB
Display resolution *	2880 x 1800 pixels	On-board graphics card cores	8
Touchscreen *	✓	On-board graphics card 4K support	✓
HD type	WQXGA+	On-board graphics card 8K support	✓
Panel type	AMOLED	Graphics card Open GL support	✓
Display technology marketing name	Dynamic AMOLED 2X	Audio	
Native aspect ratio	16:10	Audio system	Dolby Atmos
Anti-reflective coating	✓	Number of built-in speakers	4
Display diagonal (metric)	40.6 cm	Speaker power	3.3 W
RGB colour space	DCI-P3	Built-in subwoofer	✓
Colour gamut	120%	Built-in microphone	✓
Maximum refresh rate	120 Hz	Number of microphones	2
Processor		Camera	
Processor manufacturer *	Intel	Front camera	✓
Processor family *	Intel Core Ultra 7	Front camera resolution (numeric)	2 MP
Processor generation	Intel Core Ultra (Series 2)	Network	
Processor model *	256V	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Processor cores	8	Mobile network connection *	✗
Processor threads	8	Antenna type	2x2
Processor boost frequency	4.8 GHz	Bluetooth	✓
Performance cores	4	Bluetooth version	5.4
Low Power Efficient-cores	4	Ports & interfaces	
Performance-core Max Turbo Frequency	4.8 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
Low Power Efficient-core Max Turbo Frequency	3.7 GHz	HDMI ports quantity *	1
Performance-core base frequency	2.2 GHz		

Processor		Ports & interfaces	
Low Power Efficient-core Base Frequency	2200 MHz	HDMI version	2.1
Processor cache	12 MB	Thunderbolt 4 ports quantity	2
Processor cache type	Smart Cache	Intel® Thunderbolt 4	✓
Processor base power	17 W	Combo headphone/mic port	✓
Maximum turbo power	37 W	Performance	
Neural processor unit (NPU)		Repairability index	8.7
Neural processor unit (NPU)	Intel AI Boost	Keyboard	
Sparsity support	✓	Pointing device	Clickpad
Windows Studio effects support	✓	Numeric keypad *	✓
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, WebNN, Windows ML	Keyboard backlit	✓
NPU performance up to	47 TOPs	Copilot key	✓
Memory		Software	
Internal memory *	16 GB	Operating system installed *	Windows 11 Pro
Internal memory type	LPDDR5x-SDRAM	Battery	
Memory form factor	On-package	Battery capacity *	76.1 Wh
Maximum internal memory *	16 GB	Battery life (max)	25 h
Storage		Power	
Total storage capacity *	512 GB	AC adapter power	65 W
Storage media *	SSD	USB Type-C charging port *	✓
Total SSDs capacity	512 GB	Security	
Number of SSDs installed	1	Fingerprint reader	✓
SSD capacity	512 GB	Trusted Platform Module (TPM)	✓
Optical drive type *	✗	Weight & dimensions	
Card reader integrated	✓	Weight *	1.56 kg
Compatible memory cards	MicroSD (TransFlash)	Packaging content	
Graphics		AC adapter included *	✓
Discrete graphics card model *	Not available	Cables included	USB Type-C



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