

Samsung Galaxy Book5 Pro Intel Core Ultra 5 226V Laptop 40.6 cm (16") Touchscreen WQXGA+ 16 GB LPDDR5x-SDRAM 512 GB SSD Wi-Fi 7 (802.11be) Windows 11 Pro German Grey

Brand : Samsung

Product code: NP964XHA-KG1DE

Product name : Galaxy Book5 Pro

Intel Core Ultra 5 226V (8MB Cache), 16GB LPDDR5x-SDRAM, 512GB SSD, 40.6 cm (16") WQXGA+ 2880 x 1800 AMOLED Touch, Intel Arc Graphics 130V, Webcam, Windows 11 Pro
Samsung Galaxy Book5 Pro. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 5, Processor model: 226V. 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 130V. 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 *	✗
Display		On-board graphics card family	Intel Arc Graphics
Display diagonal *	40.6 cm (16")	On-board graphics card model *	Intel Arc Graphics 130V
Display resolution *	2880 x 1800 pixels	On-board graphics card memory	16 GB
Touchscreen *	✓	Audio	
HD type	WQXGA+	Audio system	Dolby Atmos
Panel type	AMOLED	Number of built-in speakers	4
Native aspect ratio	16:10	Built-in microphone	✓
Anti-reflective coating	✓	Number of microphones	2
Display brightness	400 cd/m²	Camera	
Maximum display brightness (HDR)	500 cd/m²	Front camera	✓
RGB colour space	DCI-P3	Front camera resolution (numeric)	2 MP
Maximum refresh rate	120 Hz	Front camera resolution	1920 x 1080 pixels
High Dynamic Range (HDR) supported	✓	Network	
High Dynamic Range (HDR) technology	High Dynamic Range (HDR) 500	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Processor		Mobile network connection *	✗
Processor manufacturer *	Intel	Antenna type	2x2
Processor family *	Intel Core Ultra 5	Bluetooth	✓
Processor generation	Intel Core Ultra (Series 2)	Bluetooth version	5.4
Processor model *	226V	Ports & interfaces	
Processor cores	8	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
Processor threads	8	HDMI ports quantity *	1
Processor boost frequency	4.5 GHz	HDMI version	2.1
Performance cores	4	Thunderbolt 4 ports quantity	2
Low Power Efficient-cores	4	Intel® Thunderbolt 4	✓
Performance-core Max Turbo Frequency	4.5 GHz	Combo headphone/mic port	✓
Low Power Efficient-core Max Turbo Frequency	3.5 GHz	Performance	
Performance-core base frequency	2.1 GHz	Ambient light sensor	✓
Low Power Efficient-core Base Frequency	2100 MHz	Repairability index	8.7

Processor		Keyboard	
Processor cache	8 MB	Pointing device	Clickpad
Processor cache type	Smart Cache	Numeric keypad *	✓
Processor base power	17 W	Keyboard backlit	✓
Maximum turbo power	37 W	Keyboard layout	QWERTZ
Neural processor unit (NPU)		Keyboard language	German
Neural processor unit (NPU)	Intel AI Boost	Software	
Sparsity support	✓	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
Windows Studio effects support	✓		
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN		
Total processor performance up to	97 TOPs		
NPU performance up to	40 TOPs		
GPU performance up to	53 TOPs		
Memory		Operating system installed *	Windows 11 Pro
Internal memory *	16 GB		
Internal memory type	LPDDR5x-SDRAM		
Memory form factor	On-board	Battery	
Storage		Battery capacity *	76.1 Wh
		Battery life (max)	21 h
		Power	
Total storage capacity *	512 GB	AC adapter power	65 W
Storage media *	SSD	AC adapter frequency	50 - 60 Hz
Total SSDs capacity	512 GB	AC adapter input voltage	100 - 240 V
Number of SSDs installed	1	USB Type-C charging port *	✓
SSD capacity	512 GB	Security	
NVMe	✓	Fingerprint reader	✓
Optical drive type *	✗	Trusted Platform Module (TPM)	✓
Card reader integrated	✓	Operational conditions	
Compatible memory cards	MicroSD (TransFlash), MicroSDHC, MicroSDXC	Operating temperature (T-T)	10 - 35 °C
Graphics		Storage temperature (T-T)	-5 - 40 °C
Discrete graphics card model *	Not available	Operating relative humidity (H-H)	20 - 80%
		Storage relative humidity (H-H)	5 - 90%
		Weight & dimensions	
		Width	355.4 mm
		Depth	250.4 mm
		Height	12.5 mm
		Weight *	1.56 kg
		Packaging content	
		AC adapter included *	✗



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