

Samsung Galaxy Book5 Pro Intel Core Ultra 7 256V Laptop 40.6 cm (16") Touchscreen WQXGA+ 32 GB LPDDR5x-SDRAM 512 GB SSD Wi-Fi 7 (802.11be) Windows 11 Pro German Grey

Brand : Samsung

Product code: NP964XHA-KG2DE

Product name : Galaxy Book5 Pro



Samsung Galaxy Book5 Pro. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 256V, Processor frequency: 4.8 GHz. Display diagonal: 40.6 cm (16"), HD type: WQXGA+, Display resolution: 2880 x 1800 pixels, Touchscreen. Internal memory: 32 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. Operating system installed: Windows 11 Pro. Product colour: Grey



Design		Graphics	
Colour name	Moonstone Gray	On-board graphics card *	✓
Product type *	Laptop	Discrete graphics card *	✗
Product colour *	Grey	On-board graphics card family	Intel Arc Graphics
Form factor *	Clamshell	On-board graphics card model *	Intel Arc Graphics 140V
Display		On-board graphics card memory	16 GB
Display diagonal *	40.6 cm (16")	On-board graphics card dynamic frequency (max)	1.95 MHz
Display resolution *	2880 x 1800 pixels	On-board graphics card DirectX version	12.2
Touchscreen *	✓	On-board graphics card OpenGL version	4.6
HD type	WQXGA+	Maximum resolution	7680 x 4320 pixels
Panel type	AMOLED	Audio	
Native aspect ratio	16:10	Audio system	Dolby Atmos
Anti-reflective coating	✓	Number of built-in speakers	4
Display brightness	400 cd/m²	Speaker power	5 W
Maximum refresh rate	120 Hz	Built-in microphone	✓
Processor		Number of microphones	2
Processor manufacturer *	Intel	Camera	
Processor family *	Intel Core Ultra 7	Front camera	✓
Processor generation	Intel Core Ultra (Series 2)	Front camera resolution (numeric)	2 MP
Processor model *	256V	Network	
Processor cores	8	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Processor threads	8	Wi-Fi standards	Wi-Fi 7 (802.11be)
Processor frequency *	4.8 GHz	Mobile network connection *	✗
Performance cores	4	Bluetooth	✓
Low Power Efficient-cores	4	Bluetooth version	5.4
Performance-core Max Turbo Frequency	4.8 GHz	Ports & interfaces	
Low Power Efficient-core Max Turbo Frequency	3.7 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
Performance-core base frequency	2.2 GHz	HDMI ports quantity *	1
Low Power Efficient-core Base Frequency	2.2 MHz		
Processor cache	12 MB		
Processor cache type	Smart Cache		

Processor		Ports & interfaces	
Processor base power	17 W	HDMI version	2.1
Maximum turbo power	37 W	Thunderbolt 4 ports quantity	2
Neural processor unit (NPU)		Intel® Thunderbolt 4	✓
Neural processor unit (NPU)	Intel AI Boost	Combo headphone/mic port	✓
Maximum frequency NPU	4.8 GHz	Performance	
Windows Studio effects support	✓	Ambient light sensor	✓
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, WebNN, Windows ML	Repairability index	8.7
NPU performance up to	47 TOPs	Keyboard	
GPU performance up to	20 TOPs	Pointing device	Clickpad
Memory		Numeric keypad *	✓
Internal memory *	32 GB	Keyboard backlit	✓
Internal memory type	LPDDR5x-SDRAM	Keyboard layout	QWERTZ
Maximum internal memory *	32 GB	Keyboard language	German
Memory channels	Dual-channel	Software	
Memory data transfer rate	8533 MT/s	Operating system installed *	Windows 11 Pro
Storage		Battery	
Total storage capacity *	512 GB	Battery capacity *	74 Wh
Storage media *	SSD	Fast charging	✓
Total SSDs capacity	512 GB	Power	
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	✓	Weight & dimensions	
Compatible memory cards	MicroSD (TransFlash)	Width	355.4 mm
Graphics		Depth	250.4 mm
Discrete graphics card model *	Not available	Height	12.5 mm
		Weight *	1.56 kg



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