

Samsung Galaxy Book6 Copilot+ PC Intel Core Ultra 7 355 Laptop
35.6 cm (14") WUXGA 32 GB LPDDR5x-SDRAM 512 GB SSD Wi-Fi
6E (802.11ax) Windows 11 Pro Grey QWERTZ German

Brand : Samsung Product family: Galaxy Book6 Product code: NP744BJG-KG3DE

Product name : Galaxy Book6

Samsung Galaxy Book6 . Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 355. Display diagonal: 35.6 cm (14"), HD type: WUXGA, Display resolution: 1920 x 1200 pixels. Internal memory: 32 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel® Graphics. Operating system installed: Windows 11 Pro. Product colour: Grey. Weight: 1.43 kg



Design		Graphics	
Product type *	Laptop	Discrete graphics card *	✗
Product colour *	Grey	On-board graphics card family	Intel® Graphics
Form factor *	Clamshell	On-board graphics card model *	Intel® Graphics
Introduction year	2026	On-board graphics card cores	4
Certified refurbished	✗	On-board graphics card 4K support	✓
Original brand name	Samsung	On-board graphics card 8K support	✓
Display		Graphics card Open GL support	✓
Display diagonal *	35.6 cm (14")	Ray tracing acceleration	✓
Display resolution *	1920 x 1200 pixels	Audio	
Touchscreen *	✗	Audio system	Dolby Atmos
HD type	WUXGA	Number of built-in speakers	2
Panel type	IPS	Built-in microphone	✓
Native aspect ratio	16:10	Number of microphones	2
Anti-glare screen	✓	Camera	
Display brightness	350 cd/m²	Front camera	✓
Display diagonal (metric)	35.6 cm	Front camera resolution (numeric)	2 MP
Processor		Network	
Processor manufacturer *	Intel	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Processor family *	Intel Core Ultra 7	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax), Wi-Fi 6E (802.11ax)
Processor generation	Intel® Core™ Ultra (Series 3)		
Processor model *	355	Mobile network connection *	✗
Processor cores	8	Wi-Fi band	Tri-band (2.4 GHz / 5 GHz / 6 GHz)
Processor threads	8	Ethernet LAN	✓
Processor boost frequency	4.7 GHz	Ethernet LAN data rates	10,100,1000 Mbit/s
Performance cores	4	Bluetooth	✓
Low Power Efficient-cores	4	Bluetooth version	5.4
Performance-core Max Turbo Frequency	4.7 GHz	MIMO	✓
Low Power Efficient-core Max Turbo Frequency	3.5 GHz	Ports & interfaces	
Performance-core base frequency	2.3 GHz	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Efficient-core base frequency	1.7 GHz		

Processor		Ports & interfaces	
Low Power Efficient-core Base Frequency	1700 MHz	Ethernet LAN (RJ-45) ports	1
Processor cache	12 MB	HDMI ports quantity *	1
Processor cache type	Smart Cache	Combo headphone/mic port	✓
Processor socket	FCBGA2540		
Processor base power	25 W		
Maximum turbo power	55 W		
Neural processor unit (NPU)		Performance	
Copilot+ PC	✓	Hall sensor	✓
Neural processor unit (NPU)	Intel AI Boost		
Sparsity support	✓	Keyboard	
Windows Studio effects support	✓	Pointing device	Touchpad
AI software frameworks supported by NPU	OpenVINO, Windows ML, ONNX RT, WebNN	Numeric keypad *	✗
NPU performance up to	49 TOPs	Keyboard backlit	✓
GPU performance up to	40 TOPs	Keyboard layout	QWERTZ
		Keyboard language	German
		Copilot key	✓
Memory		Software	
Internal memory *	32 GB	Operating system installed *	Windows 11 Pro
Internal memory type	LPDDR5x-SDRAM		
Memory form factor	On-board	Battery	
Maximum internal memory *	32 GB	Battery technology	Lithium-Ion (Li-Ion)
		Battery capacity *	61.2 Wh
Storage		Continuous video playback time (max)	24 h
Total storage capacity *	512 GB	Fast charging	✓
Storage media *	SSD		
Total SSDs capacity	512 GB	Power	
Number of SSDs installed	1	USB Type-C charging port *	✓
SSD capacity	512 GB	USB Type-C required charging power (min) *	40 W
NVMe	✓	USB Type-C required charging power (max) *	45 W
SSD form factor	M.2	USB Power Delivery (USB PD)	✓
Optical drive type *	✗		
Card reader integrated	✓	Security	
Compatible memory cards	MicroSD (TransFlash)	Cable lock slot	✓
		Fingerprint reader	✓
Graphics		Trusted Platform Module (TPM)	✓
Discrete graphics card model *	Not available		
On-board graphics card *	✓	Weight & dimensions	
On-board GPU manufacturer	Intel	Width	313.4 mm
		Depth	221.1 mm
		Height	14.9 mm
		Weight *	1.43 kg



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