

Samsung Galaxy Book6 (14", Core Ultra 7, 16GB), Copilot+ PC"

Brand : Samsung Product family: Galaxy Book6 Product code: NP740VJG-KG4UK

Product name : Galaxy Book6 (14", Core Ultra 7, 16GB), Copilot+ PC"

- Reliable performance
- Long-lasting power
- New symmetrical design

Galaxy Book6 (14", Core Ultra 7, 16GB), Copilot+ PC"
Samsung Galaxy Book6 (14", Core Ultra 7, 16GB), Copilot+ PC". 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: 16 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 Home. Product colour: Grey. Weight: 1.43 kg



Design		Audio	
Product type *	Laptop	Speaker power	2 W
Product colour *	Grey	Built-in microphone	✓
Form factor *	Clamshell	Number of microphones	2
Original brand name	Samsung	Speakers	Stereo Speakers
Display		Camera	
Display diagonal *	35.6 cm (14")	Front camera	✓
Display resolution *	1920 x 1200 pixels	Front camera resolution (numeric)	2 MP
HD type	WUXGA	Network	
Panel type	IPS	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Native aspect ratio	16:10	Wi-Fi standards	
Anti-glare screen	✓	802.11a, 802.11b, Wi-Fi 4 (802.11n), 802.11g, Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax), Wi-Fi 6E (802.11ax)	
Display brightness	350 cd/m²	Mobile network connection *	✗
Maximum refresh rate	60 Hz	Wi-Fi band	Tri-band (2.4 GHz / 5 GHz / 6 GHz)
Processor		WLAN controller model	Intel Wi-Fi 6E AX211
Processor manufacturer *	Intel	WLAN controller manufacturer	Intel
Processor family *	Intel Core Ultra 7	Ethernet LAN	✓
Processor generation	Intel® Core™ Ultra (Series 3)	Ethernet LAN data rates	1000,10,100 Mbit/s
Processor model *	355	Bluetooth	✓
Processor cores	8	Bluetooth version	5.4
Processor threads	8	MIMO	✓
Processor boost frequency	4.7 GHz	Ports & interfaces	
Performance cores	4	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Low Power Efficient-cores	4	Ethernet LAN (RJ-45) ports	1
Performance-core Max Turbo Frequency	4.7 GHz	HDMI ports quantity *	1
Low Power Efficient-core Max Turbo Frequency	3.5 GHz	HDMI version	1.4b
Performance-core base frequency	2.3 GHz	Combo headphone/mic port	✓
Efficient-core base frequency	1.7 GHz	Performance	
Low Power Efficient-core Base Frequency	1.7 MHz	Hall sensor	✓
Processor cache	12 MB		
Processor cache type	Smart Cache		
Processor socket	FCBGA2540		

Processor		Keyboard	
Processor base power	25 W	Keyboard type	Pro keyboard
Maximum turbo power	55 W	Pointing device	Clickpad
Neural processor unit (NPU)		Numeric keypad *	✗
Copilot+ PC	✓	Keyboard backlit	✓
Neural processor unit (NPU)	Intel AI Boost	Keyboard language	English
Sparsity support	✓	Copilot key	✓
Windows Studio effects support	✓	Software	
AI software frameworks supported by NPU	OpenVINO, Windows ML, DirectML, ONNX RT, WebNN	Operating system installed *	Windows 11 Home
NPU performance up to	47 TOPs	Processor special features	
GPU performance up to	40 TOPs	Intel® AES New Instructions (Intel® AES-NI)	✓
Memory		Intel VT-x with Extended Page Tables (EPT)	✓
Internal memory *	16 GB	Intel® Secure Key	✓
Internal memory type	LPDDR5x-SDRAM	Intel® OS Guard	✓
Memory form factor	On-board	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Maximum internal memory *	16 GB	Intel Virtualization Technology (VT-x)	✓
Memory channels	Dual-channel	Battery	
Memory data transfer rate	7467 MT/s	Battery technology	Lithium-Ion (Li-Ion)
Storage		Number of battery cells	4
Total storage capacity *	512 GB	Battery capacity	3940 mAh
Storage media *	SSD	Battery capacity *	61.2 Wh
Total SSDs capacity	512 GB	Battery voltage	15.52 V
Number of SSDs installed	1	Continuous video playback time (max)	24 h
SSD capacity	512 GB	Battery recharge time	1.5 h
SSD interface	PCI Express 4.0, M.2	Fast charging	✓
NVMe	✓	Power	
SSD form factor	M.2	AC adapter power	45 W
Optical drive type *	✗	USB Type-C charging port *	✓
Card reader integrated	✓	USB Type-C required charging power (min) *	40 W
Compatible memory cards	MicroSD (TransFlash), SDHC, SDXC	USB Type-C required charging power (max) *	45 W
Graphics		USB Power Delivery (USB PD)	✓
Discrete graphics card model *	Not available	Security	
On-board graphics card *	✓	Cable lock slot	✓
On-board GPU manufacturer	Intel	Cable lock slot type	Kensington
Discrete graphics card *	✗	Fingerprint reader	✓
On-board graphics card family	Intel® Graphics	Trusted Platform Module (TPM)	✓
On-board graphics card model *	Intel® Graphics	Trusted Platform Module (TPM) version	2.0
On-board graphics card cores	4	Weight & dimensions	
On-board graphics card DirectX version	12.0	Width	313.4 mm
On-board graphics card OpenGL version	4.6	Depth	221.1 mm
Audio		Height	14.9 mm
Audio system	Dolby Atmos	Width (imperial)	31.3 cm (12.3")
Number of built-in speakers	2	Height (imperial)	1.5 cm (0.59")
		Weight *	1.43 kg
		Weight (imperial)	1.43 kg (3.15 lbs)



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Catalog Object Cloud



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