

Samsung Galaxy Book6 Ultra Copilot+ PC Intel Core Ultra 7 356H Laptop 40.6 cm (16") Touchscreen WQXGA+ 32 GB LPDDR5x-SDRAM 1 TB SSD NVIDIA® GeForce RTX™ 5070 Laptop GPU Wi-Fi 7 (802.11be) Windows 11 Home Grey

Brand : Samsung
Product family: Galaxy Book6 Ultra
Product code: NP960UJH-XG4DE
Product name : Galaxy Book6 Ultra

Samsung Galaxy Book6 Ultra . Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 356H. 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: 1 TB, Storage media: SSD. On-board graphics card model: Intel® Graphics. Operating system installed: Windows 11 Home. Product colour: Grey



Design		Storage	
Product type *	Laptop	Compatible memory cards	SDXC
Product colour *	Grey	Graphics	
Form factor *	Clamshell	Discrete GPU manufacturer	NVIDIA
Introduction year	2026	Discrete graphics card model *	NVIDIA® GeForce RTX™ 5070 Laptop GPU
Original brand name	Samsung	Discrete graphics card memory	8 GB
Display		Discrete graphics memory type	GDDR7
Display diagonal *	40.6 cm (16")	On-board graphics card *	✓
Display resolution *	2880 x 1800 pixels	On-board GPU manufacturer	Intel
Touchscreen *	✓	Discrete graphics card *	✓
HD type	WQXGA+	On-board graphics card family	Intel® Graphics
Panel type	AMOLED	On-board graphics card model *	Intel® Graphics
Display technology marketing name	Dynamic AMOLED 2X	On-board graphics card cores	4
Native aspect ratio	16:10	On-board graphics card 4K support	✓
Anti-reflective coating	✓	On-board graphics card 8K support	✓
Display glass type	Gorilla Glass	Graphics card Open GL support	✓
Maximum display brightness (HDR)	1000 cd/m²	Audio	
Standard Dynamic Range (SDR) brightness	500 cd/m²	Audio system	Dolby Atmos
Display diagonal (metric)	40.6 cm	Number of built-in speakers	6
Maximum refresh rate	120 Hz	Built-in microphone	✓
High Dynamic Range (HDR) supported	✓	Number of microphones	2
High Dynamic Range (HDR) technology	DisplayHDR True Black 1000	Camera	
Processor		Front camera	✓
Processor manufacturer *	Intel	Front camera resolution (numeric)	2 MP
Processor family *	Intel Core Ultra 7	Network	
Processor generation	Intel® Core™ Ultra (Series 3)	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Processor model *	356H	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), Wi-Fi 7 (802.11be)	
Processor cores	16	Wi-Fi standards	
Processor threads	16	Mobile network connection *	✗
Processor boost frequency	4.7 GHz	Wi-Fi band	Tri-band (2.4 GHz / 5 GHz / 6 GHz)
Performance cores	4		
Efficient cores	8		

Processor		Network	
Low Power Efficient-cores	4	Bluetooth	✓
Performance-core Max Turbo Frequency	4.7 GHz	Bluetooth version	5.4
Efficient-core Max Turbo Frequency	3.5 GHz	MIMO	✓
Low Power Efficient-core Max Turbo Frequency	3.3 GHz	Ports & interfaces	
Performance-core base frequency	1.9 GHz	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Efficient-core base frequency	1.5 GHz	HDMI ports quantity *	1
Low Power Efficient-core Base Frequency	1500 MHz	HDMI version	2.1
Processor cache	18 MB	Thunderbolt 4 ports quantity	2
Processor cache type	Smart Cache	Intel® Thunderbolt 4	✓
Processor socket	FCBGA2540	Combo headphone/mic port	✓
Processor base power	25 W	Performance	
Maximum turbo power	80 W	Ambient light sensor	✓
Neural processor unit (NPU)		Hall sensor	✓
Copilot+ PC	✓	Keyboard	
Neural processor unit (NPU)	Intel AI Boost	Pointing device	Touchpad
Sparsity support	✓	Numeric keypad *	✗
Windows Studio effects support	✓	Keyboard backlit	✓
AI software frameworks supported by NPU	OpenVINO, Windows ML, DirectML, ONNX RT, WebNN	Copilot key	✓
NPU performance up to	50 TOPs	Software	
Memory		Operating system installed *	Windows 11 Home
Internal memory *	32 GB	Battery	
Internal memory type	LPDDR5x-SDRAM	Battery technology	Lithium-Ion (Li-Ion)
Memory form factor	On-board	Battery capacity *	80.2 Wh
Maximum internal memory *	32 GB	Continuous video playback time	30 h
Storage		Fast charging	✓
Total storage capacity *	1 TB	Power	
Storage media *	SSD	USB Type-C charging port *	✓
Total SSDs capacity	1 TB	USB Type-C required charging power (min) *	135 W
Number of SSDs installed	1	USB Type-C required charging power (max) *	140 W
SSD capacity	1 TB	USB Power Delivery (USB PD)	✓
NVMe	✓	Security	
SSD form factor	M.2	Fingerprint reader	✓
Optical drive type *	✗	Trusted Platform Module (TPM)	✓
Card reader integrated	✓	Weight & dimensions	
		Width	356.9 mm
		Depth	248 mm
		Height	15.4 mm
		Weight *	1.89 kg



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