

Samsung NP960XHA-KG2DE laptop Copilot+ PC Intel Core Ultra 7 258V 40.6 cm (16") Touchscreen 2.8K 32 GB LPDDR5x-SDRAM 512 GB SSD Wi-Fi 7 (802.11be) Windows 11 Home Grey

Brand : Samsung

Product code: NP960XHA-KG2DE

Product name : NP960XHA-KG2DE



Samsung NP960XHA-KG2DE. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 258V. Display diagonal: 40.6 cm (16"), HD type: 2.8K, Display resolution: 2880 x 1800 pixels, Touchscreen. Internal memory: 32 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel Arc Graphics 140V. Operating system installed: Windows 11 Home. Product colour: Grey

Design		Graphics	
Product type *	Laptop	On-board graphics card OpenGL version	4.6
Product colour *	Grey	On-board graphics card 8K support	✓
Form factor *	Clamshell		
Display		Audio	
Display diagonal *	40.6 cm (16")	Audio system	Dolby Atmos
Display resolution *	2880 x 1800 pixels	Number of built-in speakers	4
Touchscreen *	✓	Built-in subwoofer	✓
HD type	2.8K	Built-in microphone	✓
Panel type	AMOLED	Number of microphones	2
Native aspect ratio	16:10		
Anti-glare screen	✓	Camera	
Display brightness	400 cd/m²	Front camera	✓
Maximum display brightness (HDR)	500 cd/m²	Front camera resolution (numeric)	2 MP
Maximum refresh rate	120 Hz		
Processor		Network	
Processor manufacturer *	Intel	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Processor family *	Intel Core Ultra 7		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 generation	Intel Core Ultra (Series 2)	Wi-Fi standards	
Processor model *	258V	Mobile network connection *	✗
Processor cores	8	Antenna type	2x2
Processor threads	8	Ethernet LAN	✓
Processor boost frequency	4.8 GHz	Bluetooth	✓
Performance cores	4	Bluetooth version	5.4
Low Power Efficient-cores	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 1 (3.1 Gen 1) 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	HDMI version	2.1
Processor cache	12 MB	Thunderbolt 4 ports quantity	2
Processor cache type	Smart Cache	Intel® Thunderbolt 4	✓
Tjunction	100 °C	Combo headphone/mic port	✓
Processor base power	17 W		
Maximum turbo power	37 W	Keyboard	
Neural processor unit (NPU)		Pointing device	Touchpad
Copilot+ PC	✓	Numeric keypad *	✓
Neural processor unit (NPU)	Intel AI Boost	Keyboard backlit	✓
Sparsity support	✓		
Windows Studio effects support	✓	Software	
		Operating system installed *	Windows 11 Home
		Processor special features	
		Intel Trusted Execution Technology	✓

Neural processor unit (NPU)		Processor special features	
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, WebNN, Windows ML	Intel VT-x with Extended Page Tables (EPT)	✓
NPU performance up to	47 TOPs	Intel® Secure Key	✓
Memory		Intel® OS Guard	✓
Internal memory *	32 GB	Execute Disable Bit	✓
Internal memory type	LPDDR5x-SDRAM	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Memory form factor	On-board	CPU configuration (max)	1
Storage		Intel Virtualization Technology for Directed I/O (VT-d)	✓
Total storage capacity *	512 GB	Intel® Smart Sound Technology	✓
Storage media *	SSD	Intel Virtualization Technology (VT-x)	✓
Total SSDs capacity	512 GB	Battery	
Number of SSDs installed	1	Battery technology	Lithium-Ion (Li-Ion)
SSD capacity	512 GB	Battery capacity *	73.9 Wh
NVMe	✓	Battery life (max)	25 h
Optical drive type *	✗	Power	
Card reader integrated	✓	AC adapter power	65 W
Compatible memory cards	MicroSD (TransFlash), MicroSDHC, MicroSDXC	USB Type-C charging port *	✓
Graphics		Security	
Discrete graphics card model *	Not available	Fingerprint reader	✓
On-board graphics card *	✓	Trusted Platform Module (TPM)	✓
Discrete graphics card *	✗	Trusted Platform Module (TPM) version	2.0
On-board graphics card family	Intel Arc Graphics	Weight & dimensions	
On-board graphics card model *	Intel Arc Graphics 140V	Width	355.4 mm
On-board graphics card DirectX version	12.2	Depth	250.4 mm
		Height	12.5 mm
		Weight *	1.56 kg



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