

Samsung Galaxy Book5 NP750XHDA-EXP Intel Core Ultra 5 225U Laptop 39.6 cm (15.6") Full HD 16 GB LPDDR5x-SDRAM 512 GB SSD Wi-Fi 6 (802.11ax) Windows 11 Home Silver

Brand : Samsung Product family: Galaxy Book5 Product code: NP750XHD-KB4NL

Product name : NP750XHDA-EXP

Samsung Galaxy Book5 NP750XHDA-EXP. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 5, Processor model: 225U. Display diagonal: 39.6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 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: Silver. Weight: 1.55 kg



Design		Storage	
Product type *	Laptop	Card reader integrated	✓
Product colour *	Silver	Compatible memory cards	MicroSD (TransFlash), MicroSDHC, MicroSDXC
Form factor *	Clamshell		
Display		Graphics	
Display diagonal *	39.6 cm (15.6")	Discrete graphics card model *	Not available
Display resolution *	1920 x 1080 pixels	On-board graphics card *	✓
Touchscreen *	✗	Discrete graphics card *	✗
HD type	Full HD	On-board graphics card model *	Intel® Graphics
Panel type	IPS	On-board graphics card DirectX version	12.2
Display brightness	330 cd/m²	On-board graphics card OpenGL version	4.6
Maximum display brightness (HDR)	500 cd/m²		
Maximum refresh rate	60 Hz		
Processor		Audio	
Processor manufacturer *	Intel	Number of built-in speakers	2
Processor family *	Intel Core Ultra 5	Speaker power	2 W
Processor generation	Intel Core Ultra (Series 2)	Built-in microphone	✓
Processor model *	225U	Number of microphones	2
Processor cores	12		
Processor threads	14	Camera	
Processor boost frequency	4.8 GHz	Front camera	✓
Performance cores	2		
Efficient cores	8	Network	
Low Power Efficient-cores	2	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Performance-core Max Turbo Frequency	4.8 GHz	Wi-Fi standards	Wi-Fi 6 (802.11ax)
Efficient-core Max Turbo Frequency	3.8 GHz	Mobile network connection *	✗
Low Power Efficient-core Max Turbo Frequency	2.4 GHz	Antenna type	2x2
Performance-core base frequency	1.5 GHz	Ethernet LAN	✓
Efficient-core base frequency	1.3 GHz	Bluetooth	✓
Low Power Efficient-core Base Frequency	700 MHz	Bluetooth version	5.2
Processor cache	12 MB	Ports & interfaces	
Processor cache type	Smart Cache	USB 3.2 Gen 2x2 Type-C ports quantity	2
Processor socket	FCBGA2049	Ethernet LAN (RJ-45) ports	1
		HDMI ports quantity *	1
		Intel® Thunderbolt 4	✓

Processor		Ports & interfaces	
Processor base power	15 W	Combo headphone/mic port	✓
Maximum turbo power	57 W		
Neural processor unit (NPU)		Performance	
Neural processor unit (NPU)	Intel AI Boost	Repairability index	8.7
Sparsity support	✓		
Windows Studio effects support	✓	Keyboard	
AI software frameworks supported by NPU	ONNX RT, OpenVINO, Windows ML	Pointing device	Touchpad
NPU performance up to	12 TOPs	Numeric keypad *	✓
		Copilot key	✓
Memory		Software	
Internal memory *	16 GB	Operating system installed *	Windows 11 Home
Internal memory type	LPDDR5x-SDRAM		
Memory form factor	On-board	Battery	
Maximum internal memory *	16 GB	Battery technology	Lithium-Ion (Li-Ion)
Storage		Number of battery cells	4
Total storage capacity *	512 GB	Battery capacity	3802 mAh
Storage media *	SSD	Battery capacity *	61.2 Wh
Total SSDs capacity	512 GB	Battery voltage	15.52 V
Number of SSDs installed	1	Battery life (max)	19 h
SSD capacity	512 GB	Battery recharge time	1.8 h
SSD interface	PCI Express 4.0	Power	
NVMe	✓	AC adapter power	45 W
SSD form factor	M.2	USB Type-C charging port *	✓
Optical drive type *	✗		
		Security	
		Cable lock slot	✓
		Cable lock slot type	Kensington
		Trusted Platform Module (TPM)	✓
		Trusted Platform Module (TPM) version	2.0
		Weight & dimensions	
		Width	356.6 mm
		Depth	228 mm
		Height	15.1 mm
		Weight *	1.55 kg



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