

Samsung Galaxy Book5 NP754XHD-CG1UK laptop Intel Core Ultra 5 225U 39.6 cm (15.6") Full HD 16 GB LPDDR5x-SDRAM 256 GB SSD Wi-Fi 7 (802.11be) Windows 11 Pro Spanish Grey

Brand : Samsung      Product family: Galaxy Book5      Product code: NP754XHD-CG1UK

Product name : NP754XHD-CG1UK

- Windows 11 Pro
  - Intel Core Ultra 5 225U (12MB Cache)
  - 39.6 cm (15.6") Full HD 1920 x 1080 IPS
  - 16GB LPDDR5x-SDRAM & 256GB SSD
- Intel Core Ultra 5 225U (12MB Cache), 16GB LPDDR5x-SDRAM, 256GB SSD, 39.6 cm (15.6") Full HD 1920 x 1080 IPS, Intel Graphics, LAN, WLAN, Webcam, Windows 11 Pro

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Get ready to upgrade your laptop game with the Samsung Galaxy Book5 range. In this article, we'll break down the differences between the latest Galaxy Book5 360, Galaxy Book5 Pro and Galaxy Book5 Pro 360. Discover which model is perfect for gaming, which offers the best performance for professionals, and which best suits students and creatives. No matter your needs, we're confident that there's a Galaxy Book5 laptop that's just right for you.

Design		Graphics	
Product type *	Laptop	Graphics card Open GL support	✓
Product colour *	Grey	Audio	
Form factor *	Clamshell	Audio system	Dolby Atmos
Display		Number of built-in speakers	2
Display diagonal *	39.6 cm (15.6")	Speaker power	2 W
Display resolution *	1920 x 1080 pixels	Built-in microphone	✓
Touchscreen *	✗	Number of microphones	2
HD type	Full HD	Camera	
Panel type	IPS	Front camera	✓
Anti-glare screen	✓	Front camera resolution	1920 x 1080 pixels
Display brightness	370 cd/m²	Front camera HD type	Full HD
Maximum display brightness (HDR)	500 cd/m²	Network	
Pixel density	141 ppi	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Maximum refresh rate	60 Hz	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), Wi-Fi 7 (802.11be)
Processor		Mobile network connection *	✗
Processor manufacturer *	Intel	Antenna type	2x2
Processor family *	Intel Core Ultra 5	Ethernet LAN	✓
Processor generation	Intel Core Ultra (Series 2)	Ethernet LAN data rates	10,100,1000 Mbit/s
Processor model *	225U	Bluetooth	✓
Processor cores	12	Bluetooth version	5.4
Processor threads	14	Ports & interfaces	
Processor boost frequency	4.8 GHz	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Performance cores	2	USB4 Gen 2x2 ports quantity	2
Efficient cores	8	HDMI ports quantity *	1
Low Power Efficient-cores	2	Combo headphone/mic port	✓
Performance-core Max Turbo Frequency	4.8 GHz		
Efficient-core Max Turbo Frequency	3.8 GHz		
Low Power Efficient-core Max Turbo Frequency	2.4 GHz		
Performance-core base frequency	1.5 GHz		
Efficient-core base frequency	1.3 GHz		



Processor		Performance	
Low Power Efficient-core Base Frequency	700 MHz	Accelerometer	✓
Processor cache	12 MB	Gyroscope	✓
Processor cache type	Last Level Cache	Hall sensor	✓
Processor base power	15 W	Keyboard	
Maximum turbo power	57 W	Pointing device	Touchpad
Neural processor unit (NPU)		Numeric keypad *	✓
Neural processor unit (NPU)	Intel AI Boost	Island-style keyboard	✓
Sparsity support	✓	Keyboard layout	QWERTY
Windows Studio effects support	✓	Keyboard language	Spanish
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	Software	
NPU performance up to	12 TOPs	Operating system installed *	Windows 11 Pro
Memory		Processor special features	
Internal memory *	16 GB	Intel® AES New Instructions (Intel® AES-NI)	✓
Internal memory type	LPDDR5x-SDRAM	Intel VT-x with Extended Page Tables (EPT)	✓
Memory form factor	On-board	Intel® Secure Key	✓
Storage		Intel® OS Guard	✓
Total storage capacity *	256 GB	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Storage media *	SSD	CPU configuration (max)	1
Total SSDs capacity	256 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Number of SSDs installed	1	Intel Virtualization Technology (VT-x)	✓
SSD capacity	256 GB	Battery	
NVMe	✓	Battery technology	Lithium-Ion (Li-Ion)
Optical drive type *	✗	Number of battery cells	4
Card reader integrated	✓	Removable battery	✗
Compatible memory cards	MicroSD (TransFlash)	Battery weight	259 g
Graphics		Power	
Discrete graphics card model *	Not available	AC adapter power	65 W
On-board graphics card *	✓	Security	
Discrete graphics card *	✗	Cable lock slot	✓
On-board graphics card model *	Intel Graphics	Cable lock slot type	Kensington
On-board graphics card DirectX version	12.2	Fingerprint reader	✗
On-board graphics card 4K support	✓	Trusted Platform Module (TPM)	✓
On-board graphics card OpenGL version	4.6	Weight & dimensions	
On-board graphics card 6K support	✓	Width	355.4 mm
On-board graphics card 8K support	✓	Depth	228 mm
		Height	13.7 mm
		Weight *	1.46 kg
		Packaging data	
		Package width	471 mm
		Package depth	278 mm
		Package height	49 mm
		Package weight	2.33 kg
		Packaging content	
		AC adapter included *	✓
		Logistics data	
		Harmonized System (HS) code	8471300000



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