

SAMSUNG

# Samsung Galaxy Book3 Ultra NP960XFH-XA1UK laptop Intel® Core™ i7 i7-13700H 40.6 cm (16") WQXGA+ 16 GB LPDDR5-SDRAM 512 GB SSD NVIDIA GeForce RTX 4050 Wi-Fi 6E (802.11ax) Windows 11 Home Graphite



**Brand :** Samsung

**Product family:** Galaxy Book3 Ultra

**Product code:** NP960XFH-XA1UK

**Product name :** NP960XFH-XA1UK

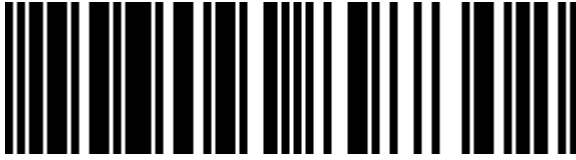
- Windows 11 Home 64-bit
- Intel Core i7-13700H (24MB Cache)
- 40.6 cm (16") WQXGA+ 2880 x 1800 AMOLED, NVIDIA GeForce RTX 4050 (6GB GDDR6)
- 16GB LPDDR5-SDRAM & 512GB SSD

Intel Core i7-13700H (24MB Cache), 16GB LPDDR5-SDRAM, 512GB SSD, 40.6 cm (16") WQXGA+ 2880 x 1800 AMOLED, Intel Iris Xe Graphics, NVIDIA GeForce RTX 4050 (6GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home 64-bit

Samsung Galaxy Book3 Ultra NP960XFH-XA1UK. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-13700H. Display diagonal: 40.6 cm (16"), HD type: WQXGA+, Display resolution: 2880 x 1800 pixels. Internal memory: 16 GB, Internal memory type: LPDDR5-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel Iris Xe Graphics, Discrete graphics card model: NVIDIA GeForce RTX 4050. Operating system installed: Windows 11 Home. Product colour: Graphite

Design		Network	
Product type *	Laptop	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Product colour *	Graphite		802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6E (802.11ax)
Form factor *	Clamshell	Wi-Fi standards	
Display		Mobile network connection *	✗
Display diagonal *	40.6 cm (16")	Antenna type	2x2
Display resolution *	2880 x 1800 pixels	Ethernet LAN	✓
Touchscreen *	✗	Bluetooth	✓
HD type	WQXGA+	Bluetooth version	5.1
Panel type	AMOLED	Ports & interfaces	
Native aspect ratio	16:10	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
Display brightness	400 cd/m <sup>2</sup>	HDMI ports quantity *	1
Pixel density	212 ppi	HDMI version	2.0
Maximum refresh rate	120 Hz	Thunderbolt 4 ports quantity	2
Contrast ratio (typical)	80000:1	Intel® Thunderbolt 4	✓
High Dynamic Range (HDR) supported	✓	Combo headphone/mic port	✓
High Dynamic Range (HDR) technology	High Dynamic Range 10 (HDR10)	Charging port type	USB Type-C
Processor		Performance	
Processor manufacturer *	Intel	Ambient light sensor	✓
Processor family *	Intel® Core™ i7	Keyboard	
Processor generation	13th gen Intel® Core™ i7	Pointing device	Clickpad
Processor model *	i7-13700H	Numeric keypad *	✓
Processor cores	14	Keyboard backlit	✓
Processor boost frequency	5 GHz	Island-style keyboard	✓
Efficient-core boost frequency	3.7 GHz	Software	
Processor cache	24 MB	Operating system architecture	64-bit
Configurable TDP-down	35 W	Operating system installed *	Windows 11 Home
Memory		Processor special features	
Internal memory *	16 GB	Intel Flex Memory Access	✓
Internal memory type	LPDDR5-SDRAM	Intel Trusted Execution Technology	✓
Storage			

<b>Storage</b>		<b>Processor special features</b>	
Total storage capacity *	512 GB	Intel VT-x with Extended Page Tables (EPT)	✓
Storage media *	SSD	Execute Disable Bit	✓
Total SSDs capacity	512 GB	CPU configuration (max)	1
Number of SSDs installed	1	Embedded options available	✗
SSD capacity	512 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
NVMe	✓	Intel Virtualization Technology (VT-x)	✓
Optical drive type *	✗		
Card reader integrated	✓		
Compatible memory cards	MicroSD (TransFlash)		
<b>Graphics</b>		<b>Battery</b>	
Discrete graphics card model *	NVIDIA GeForce RTX 4050	Battery technology	Lithium-Ion (Li-Ion)
Discrete graphics card memory	6 GB	Battery capacity *	76 Wh
Discrete graphics memory type	GDDR6	Fast charging	✓
On-board graphics card *	✓	Battery weight	274 g
On-board GPU manufacturer	Intel		
Discrete graphics card *	✓	<b>Power</b>	
On-board graphics card model *	Intel Iris Xe Graphics	AC adapter power	100 W
<b>Audio</b>		<b>Security</b>	
Audio system	Dolby Atmos	Fingerprint reader	✓
Number of built-in speakers	4	Trusted Platform Module (TPM)	✓
Speakers manufacturer	AKG		
Built-in microphone	✓	<b>Weight &amp; dimensions</b>	
Number of microphones	2	Width	355.4 mm
		Depth	250.4 mm
		Height	16.5 mm
		Weight *	1.79 kg
<b>Camera</b>		<b>Packaging data</b>	
Front camera	✓	Package width	478 mm
Front camera resolution	1920 x 1080 pixels	Package depth	292.2 mm
Front camera HD type	Full HD	Package height	44.9 mm
		<b>Logistics data</b>	
		Harmonized System (HS) code	8471300000



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