

Samsung Galaxy Book3 Ultra Enterprise Edition Intel® Core™ i7 i7-13700H Laptop 40.6 cm (16") WQXGA+ 16 GB LPDDR5x-SDRAM 512 GB SSD NVIDIA GeForce RTX 4050 Wi-Fi 6E (802.11ax) Windows 11 Pro Graphite

Brand : Samsung

Product family: Galaxy Book3 Ultra

Product code: NP964XFH-XA2UK

Product name : Galaxy Book3 Ultra Enterprise Edition

- Windows 11 Pro
- Intel Core i7-13700H (24MB Cache)
- 40.6 cm (16") WQXGA+ 2880 x 1800 AMOLED, NVIDIA GeForce RTX 4050 (8GB 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 (8GB GDDR6), LAN, WLAN, Webcam, Windows 11 Pro

Samsung Galaxy Book3 Ultra Enterprise Edition. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-13700H, Processor frequency: 2.4 GHz. Display diagonal: 40.6 cm (16"), HD type: WQXGA+, Display resolution: 2880 x 1800 pixels. Internal memory: 16 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel Iris Xe Graphics. Operating system installed: Windows 11 Pro. Product colour: Graphite



Design		Camera	
Colour name	Graphite	Front camera resolution	1920 x 1080 pixels
Product type *	Laptop	Front camera HD type	Full HD
Product colour *	Graphite	Video capturing speed	60 fps
Form factor *	Clamshell	Infrared (IR) camera	✗
Housing material	Aluminium	Privacy camera	✗
Market positioning	Performance	Rear camera	✗
Introduction year	2023	Network	
Introduction month	March	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Refurbished	✗	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6E (802.11ax)
Country of origin	Vietnam	Mobile network connection *	✗
Display		Antenna type	2x2
Display diagonal *	40.6 cm (16")	Ethernet LAN	✗
Display resolution *	2880 x 1800 pixels	Bluetooth	✓
Touchscreen *	✗	Bluetooth version	5.1
HD type	WQXGA+	MIMO	✓
Panel type	AMOLED	Ports & interfaces	
Display technology marketing name	Dynamic AMOLED 2X	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
LED backlight	✗	HDMI ports quantity *	1
Native aspect ratio	16:10	HDMI version	2.0
Display surface	Gloss	Thunderbolt 4 ports quantity	2
Display brightness	400 cd/m ²	Intel® Thunderbolt 4	✓
Maximum display brightness (HDR)	500 cd/m ²	Combo headphone/mic port	✓
Standard Dynamic Range (SDR) brightness	400 cd/m ²	Charging port type	USB Type-C
Pixel density	212 ppi	Performance	
RGB colour space	DCI-P3	Virtual Reality (VR) ready	✓
Colour gamut	100%	Keyboard	
Maximum refresh rate	120 Hz	Pointing device	Touchpad
Contrast ratio (typical)	80000:1	Keyboard layout	QWERTY
High Dynamic Range (HDR) supported	✓	Keyboard language	UK English
High Dynamic Range (HDR) technology	High Dynamic Range 10 (HDR10)	Numeric keypad *	✓

Processor		Keyboard	
Processor manufacturer *	Intel	Keyboard backlit	✓
Processor family *	Intel® Core™ i7	Island-style keyboard	✓
Processor generation	13th gen Intel® Core™ i7	Software	
Processor model *	i7-13700H	Operating system architecture	64-bit
Processor cores	14	Operating system installed *	Windows 11 Pro
Processor boost frequency	5 GHz	Processor special features	
Processor frequency *	2.4 GHz	Intel Flex Memory Access	✓
Efficient-core boost frequency	3.7 GHz	Intel Trusted Execution Technology	✓
Processor cache	24 MB	Intel VT-x with Extended Page Tables (EPT)	✓
Configurable TDP-down	35 W	Execute Disable Bit	✓
Memory		CPU configuration (max)	1
Internal memory *	16 GB	Embedded options available	✗
Internal memory type	LPDDR5x-SDRAM	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory clock speed	6000 MHz	Intel Virtualization Technology (VT-x)	✓
Memory form factor	On-board	Battery	
Maximum internal memory *	16 GB	Battery technology	Lithium-Ion (Li-Ion)
Memory channels	Dual-channel	Number of battery cells	4
Storage		Battery capacity	4900 mAh
Total storage capacity *	512 GB	Battery capacity *	76 Wh
Storage media *	SSD	Battery voltage	15.52 V
Total SSDs capacity	512 GB	Continuous video playback time	17.5 h
Number of SSDs installed	1	Removable battery	✗
SSD capacity	512 GB	Battery recharge time	1.5 h
SSD interface	PCI Express 4.0	Fast charging	✓
NVMe	✓	Battery weight	274 g
SSD form factor	M.2	Power	
SSD performance class	50	AC adapter power	100 W
Intel® Optane™ Memory module installed	✗	AC adapter frequency	50/60 Hz
Optical drive type *	✗	AC adapter input voltage	100-240 V
Card reader integrated	✓	AC adapter output current	5 A
Compatible memory cards	MicroSD (TransFlash)	AC adapter output voltage	20 V
Graphics		Power auto-sensing	✓
Discrete graphics card model *	NVIDIA GeForce RTX 4050	Security	
Discrete graphics card memory	8 GB	Cable lock slot	✗
Discrete graphics memory type	GDDR6	Fingerprint reader	✓
On-board graphics card *	✓	Smart card reader	✗
On-board GPU manufacturer	Intel	Face recognition	✗
Discrete graphics card *	✓	Palm vein scanner	✗
On-board graphics card model *	Intel Iris Xe Graphics	Windows Hello	✓
Audio		Trusted Platform Module (TPM)	✓
Audio chip	Realtek ALC298	Trusted Platform Module (TPM) version	2.0
Audio system	Dolby Atmos	Weight & dimensions	
Number of built-in speakers	4	Width	355.4 mm
Speakers manufacturer	AKG	Depth	250.4 mm
Speaker power	14 W	Height	16.5 mm
Built-in subwoofer	✗	Weight *	1.8 kg
Built-in microphone	✓	Packaging data	
Number of microphones	2	Package width	478 mm
Camera		Package depth	292.2 mm
Front camera	✓	Package height	44.9 mm
Front camera resolution (numeric)	2 MP	Package weight	838 g
		Logistics data	
		Harmonized System (HS) code	8471300000



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