



DELL XPS 9640 Intel Core Ultra 9 185H Laptop 41.4 cm (16.3") Touchscreen UHD+ 32 GB LPDDR5x-SDRAM 1 TB SSD NVIDIA GeForce RTX 4060 Wi-Fi 7 (802.11be) Windows 11 Pro Platinum

Brand : DELL

Product family: XPS

Product code: F6W5Y

Product name : 9640



DELL XPS 9640. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 9, Processor model: 185H. Display diagonal: 41.4 cm (16.3"), HD type: UHD+, Display resolution: 3840 x 2400 pixels, Touchscreen. Internal memory: 32 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel Arc Graphics. Operating system installed: Windows 11 Pro. Product colour: Platinum

Design		Camera	
Product type *	Laptop	Front camera resolution (numeric)	2.07 MP
Product colour *	Platinum	Front camera resolution	1920 x 1080 pixels
Form factor *	Clamshell	Front camera HD type	Full HD
Housing material	Aluminium	Video capturing speed	30 fps
Display		Infrared (IR) camera	✓
Display diagonal *	41.4 cm (16.3")	Network	
Display resolution *	3840 x 2400 pixels	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Touchscreen *	✓	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6E (802.11ax), Wi-Fi 7 (802.11be)
HD type	UHD+	Mobile network connection *	✗
Panel type	OLED	Antenna type	2x2
LED backlight	✓	WLAN controller model	Intel Wi-Fi 7 BE200
Display brightness	400 cd/m ²	WLAN controller manufacturer	Intel
Pixel density	278.1 ppi	Bluetooth	✓
RGB colour space	DCI-P3	Ports & interfaces	
Colour gamut	100%	Thunderbolt 4 ports quantity	3
Maximum refresh rate	90 Hz	Intel® Thunderbolt 4	✓
Contrast ratio (typical)	1000000:1	Combo headphone/mic port	✓
Processor		USB Type-C DisplayPort Alternate Mode	✓
Processor manufacturer *	Intel	Performance	
Processor family *	Intel Core Ultra 9	Ambient light sensor	✓
Processor generation	Intel® Core™ Ultra (Series 1)	Keyboard	
Processor model *	185H	Pointing device	Touchpad
Processor cores	16	Keyboard language	Nordic
Processor threads	22	Numeric keypad *	✗
Processor boost frequency	5.1 GHz	Keyboard backlit	✓
Performance cores	6	Software	
Efficient cores	8	Operating system architecture	64-bit
Low Power Efficient-cores	2	Operating system language	Danish, English, Finnish, Norwegian, Swedish
Performance-core Max Turbo Frequency	5.1 GHz		
Efficient-core Max Turbo Frequency	3.8 GHz		
Low Power Efficient-core Max Turbo Frequency	2.5 GHz		
Performance-core base frequency	2.3 GHz		
Efficient-core base frequency	1.8 GHz		

Processor		Software	
Low Power Efficient-core Base Frequency	1000 MHz	Trial software	McAfee Business Protection 1-year, No Microsoft Office License Included - 30 day Trial Offer Only
Processor cache	24 MB	Operating system installed *	Windows 11 Pro
Processor cache type	Smart Cache	Battery	
Processor base power	45 W	Battery technology	Lithium Polymer (LiPo)
Maximum turbo power	115 W	Number of battery cells	6
Neural processor unit (NPU)		Battery capacity *	99.5 Wh
Neural processor unit (NPU)	Intel AI Boost	Battery voltage	11.7 V
Maximum frequency NPU	1.4 GHz	Battery recharge time	4 h
Sparsity support	✓	Fast charging	✓
Windows Studio effects support	✓	Battery weight	380 g
AI datatype support on NPU	FP16, FP32, Int8	Power	
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	AC adapter power	130 W
Memory		AC adapter frequency	50 - 60 Hz
Internal memory *	32 GB	AC adapter input voltage	100 - 240 V
Internal memory type	LPDDR5x-SDRAM	USB Type-C charging port *	✓
Memory form factor	On-board	USB Power Delivery (USB PD)	✓
Maximum internal memory *	32 GB	USB charging voltage	5,9,15,20 V
Memory data transfer rate	6400 MT/s	USB charging current	6.5 A
Storage		Security	
Total storage capacity *	1 TB	Fingerprint reader	✓
Storage media *	SSD	Windows Hello	✓
Total SSDs capacity	1 TB	Trusted Platform Module (TPM)	✓
Number of SSDs installed	1	Trusted Platform Module (TPM) version	2.0
SSD capacity	1 TB	Operational conditions	
SSD interface	PCI Express 4.0	Operating temperature (T-T)	0 - 35 °C
NVMe	✓	Storage temperature (T-T)	-40 - 65 °C
SSD form factor	M.2	Operating relative humidity (H-H)	10 - 90%
Optical drive type *	✗	Storage relative humidity (H-H)	0 - 95%
Card reader integrated	✓	Operating altitude	-15.2 - 3048 m
Compatible memory cards	MicroSD (TransFlash), MicroSDHC, MicroSDXC	Non-operating altitude	-15.2 - 10668 m
Graphics		Operating shock	110 G
Discrete graphics card model *	NVIDIA GeForce RTX 4060	Non-operating shock	160 G
Discrete graphics card memory	8 GB	Operating vibration	0.66 G
Discrete graphics memory type	GDDR6	Non-operating vibration	1.3 G
On-board graphics card *	✓	Weight & dimensions	
On-board GPU manufacturer	Intel	Width	358.2 mm
Discrete graphics card *	✓	Depth	240.1 mm
On-board graphics card family	Intel Arc Graphics	Height	18.7 mm
On-board graphics card model *	Intel Arc Graphics	Weight *	2.18 kg
Audio		Carbon footprint	
Audio system	MaxxAudio Pro	Total carbon footprint (kg of CO2e)	363
Number of built-in speakers	2	Total carbon emissions, standard deviation (kg of CO2e)	62
Speakers manufacturer	Waves	Carbon emissions, manufacturing (kg of CO2e)	297
Built-in microphone	✓	Carbon emissions, logistics (kg of CO2e)	19
Number of microphones	2	Carbon emissions, energy usage (kg of CO2e)	46
Camera		Carbon emissions, end-of-life (kg of CO2e)	2
Front camera	✓	Total carbon emissions, w/o use phase (kg of CO2e)	318
		PAIA version	1.4.0
		Packaging content	

Packaging content

Cables included AC



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