



DELL Precision 7680 Intel® Core™ i9 i9-13950HX Mobile workstation 40.6 cm (16") Full HD+ 64 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX 3500 Ada Wi-Fi 6E (802.11ax) Windows 11 Pro Grey

Brand : DELL

Product family: Precision

Product code: JCJH4

Product name : 7680

- Windows 11 Pro 64-bit
- Intel Core i9-13950HX (36MB Cache)
- 40.6 cm (16") Full HD+ 1920 x 1200 WLED, NVIDIA RTX 3500 (12GB GDDR6)
- 64GB DDR5-SDRAM & 1000GB SSD
Intel Core i9-13950HX (36MB Cache), 64GB DDR5-SDRAM, 1000GB SSD, 40.6 cm (16") Full HD+ 1920 x 1200 WLED, Intel UHD Graphics, NVIDIA RTX 3500 (12GB GDDR6), LAN, WLAN, Webcam, Windows 11 Pro 64-bit

[DELL Precision 7680 Intel® Core™ i9 i9-13950HX Mobile workstation 40.6 cm \(16"\) Full HD+ 64 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX 3500 Ada Wi-Fi 6E \(802.11ax\) Windows 11 Pro Grey:](#)

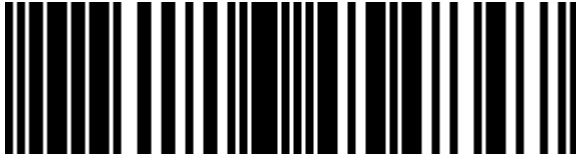
Dell's most powerful 16" workstation

Our ultra scalable 16" mobile workstation is optimized to your configurations.
DELL Precision 7680. Product type: Mobile workstation, Form factor: Clamshell. Processor family: Intel® Core™ i9, Processor model: i9-13950HX. Display diagonal: 40.6 cm (16"), HD type: Full HD+, Display resolution: 1920 x 1200 pixels. Internal memory: 64 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics, Discrete graphics card model: NVIDIA RTX 3500 Ada. Operating system installed: Windows 11 Pro. Product colour: Grey



Design		Network	
Product type *	Mobile workstation	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Product colour *	Grey	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6E (802.11ax)
Form factor *	Clamshell		
Market positioning	Business	Mobile network connection *	✗
Introduction year	2023	Wi-Fi data rate (max)	2400 Mbit/s
Display		Antenna type	2x2
Display diagonal *	40.6 cm (16")	WLAN controller model	Intel Wi-Fi 6E AX211
Display resolution *	1920 x 1200 pixels	WLAN controller manufacturer	Intel
Touchscreen *	✗	Ethernet LAN	✓
HD type	Full HD+	Ethernet LAN data rates	10,100,1000 Mbit/s
Panel type	WLED	Bluetooth	✓
LED backlight	✓	Ports & interfaces	
Native aspect ratio	16:10	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Anti-glare screen	✓	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Display brightness	500 cd/m ²	Ethernet LAN (RJ-45) ports	1
Pixel density	142 ppi	HDMI ports quantity *	1
RGB colour space	DCI-P3	Thunderbolt 4 ports quantity	2
Colour gamut	100%	Intel® Thunderbolt 4	✓
Maximum refresh rate	60 Hz	Combo headphone/mic port	✓
Contrast ratio (typical)	1300:1	Power adapter barrel connector	7.4 mm
Processor		Performance	
Processor manufacturer *	Intel	Ambient light sensor	✓
Processor family *	Intel® Core™ i9	Accelerometer	✓
Processor generation	13th gen Intel® Core™ i9	Hall sensor	✓
Processor model *	i9-13950HX	Keyboard	
Processor cores	24	Pointing device	Touchpad
Processor boost frequency	5.5 GHz		
Efficient-core boost frequency	4 GHz		
Processor cache	36 MB		
Processor cache type	Smart Cache		

Processor		Keyboard	
Bus type	DMI4	Numeric keypad *	✓
Configurable TDP-down	45 W	Keyboard backlit	✓
Memory		Software	
Internal memory *	64 GB	Operating system architecture	64-bit
Internal memory type	DDR5-SDRAM	Operating system installed *	Windows 11 Pro
Memory form factor	CAMM module	Processor special features	
Maximum internal memory *	128 GB	CPU configuration (max)	1
Memory channels	Dual-channel	Battery	
Storage		Battery technology	Lithium-Ion (Li-Ion)
Total storage capacity *	1 TB	Number of battery cells	6
Storage media *	SSD	Battery recharge time	3 h
Total SSDs capacity	1 TB	Fast charging	✓
Number of SSDs installed	1	Power	
SSD capacity	1 TB	AC adapter frequency	50 - 60 Hz
SSD interface	PCI Express 4.0	AC adapter input voltage	100 - 240 V
NVMe	✓	AC adapter output voltage	19.5 V
SSD form factor	M.2	DC-in jack	✓
Optical drive type *	✗	Security	
Card reader integrated	✓	Cable lock slot	✓
Compatible memory cards	SD, SDHC, SDXC	Cable lock slot type	Wedge
Graphics		Trusted Platform Module (TPM)	✓
Discrete graphics card model *	NVIDIA RTX 3500 Ada	Trusted Platform Module (TPM) version	2.0
Discrete graphics memory type	GDDR6	Password protection	✓
On-board graphics card *	✓	Operational conditions	
On-board GPU manufacturer	Intel	Operating temperature (T-T)	0 - 35 °C
Discrete graphics card *	✓	Storage temperature (T-T)	-40 - 65 °C
On-board graphics card model *	Intel® UHD Graphics	Operating relative humidity (H-H)	10 - 90%
Audio		Storage relative humidity (H-H)	0 - 95%
Audio chip	Realtek ALC3281	Operating altitude	-15.2 - 3048 m
Number of built-in speakers	2	Non-operating altitude	-15.2 - 10668 m
Speaker power	2 W	Operating shock	110 G
Built-in microphone	✓	Non-operating shock	160 G
Number of microphones	2	Operating vibration	0.66 G
Camera		Non-operating vibration	1.3 G
Front camera	✓	Weight & dimensions	
Front camera resolution (numeric)	0.92 MP	Width	356 mm
Front camera resolution	1920 x 1080 pixels	Depth	258.3 mm
Front camera HD type	Full HD	Height (front)	2.23 cm
Video capturing speed	30 fps	Height (rear)	2.32 cm
Infrared (IR) camera	✓	Weight *	2.6 kg
		Packaging content	
		Cables included	AC



0884116454847



884116454847

Catalog Object Cloud



Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity. Automated scraping, data mining, or harvesting for the purpose of training machine learning models, neural networks, or artificial intelligence systems is strictly prohibited without a commercial license.