



DELL Precision 7680 Intel® Core™ i7 i7-13850HX Mobilityöasema 40,6 cm (16") Full HD+ 32 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX 2000 Ada Wi-Fi 6E (802.11ax) Windows 11 Pro Harmaa

Tuotemerkki : DELL

Tuoteperhe: Precision

Tuotekoodi: GT0X5

Tuotteen nimi : 7680

DELL Precision 7680. Tuotetyyppi: Mobiilityöasema, Kotelo: Simpukka. Suoritinperhe: Intel® Core™ i7, Prosessorimalli: i7-13850HX. Näytön halkaisija: 40,6 cm (16"), HD-tyyppi: Full HD+, Näytön erottelutarkkuus: 1920 x 1200 pikseliä. Sisäinen muisti: 32 GB, Sisäisen muistin tyyppi: DDR5-SDRAM. Kokonaistallennuskapasiteetti: 1 TB, Tallennusmedia: SSD. Sisältyvän näytönohjaimen malli: Intel® UHD Graphics, Erillisen näytönohjaimen malli: NVIDIA RTX 2000 Ada. Käyttöjärjestelmä asennettu: Windows 11 Pro. Tuotteen väri: Harmaa



Design		Ports & interfaces	
Product type *	Mobile workstation	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Product colour *	Grey	Ethernet LAN (RJ-45) ports	1
Form factor *	Clamshell	HDMI ports quantity *	1
Market positioning	Business	Thunderbolt 4 ports quantity	2
Introduction year	2023	Intel® Thunderbolt 4	✓
Intel® vPro™ Platform Eligibility	✓	Combo headphone/mic port	✓
		Power adapter barrel connector	7.4 mm
Display		Performance	
Display diagonal *	40.6 cm (16")	Ambient light sensor	✓
Display resolution *	1920 x 1200 pixels	Accelerometer	✓
Touchscreen *	✗	Hall sensor	✓
HD type	Full HD+	Keyboard	
Panel type	WLED	Pointing device	Touchpad
LED backlight	✓	Keyboard language	Nordic
Native aspect ratio	16:10	Numeric keypad *	✓
Anti-glare screen	✓	Keyboard backlit	✓
Display brightness	500 cd/m ²	Keyboard number of keys	100
Pixel density	142 ppi	Software	
RGB colour space	DCI-P3	Operating system architecture	64-bit
Colour gamut	100%	Operating system language	Multilingual
Maximum refresh rate	60 Hz	Trial software	No Microsoft Office License Included 30 day Trial Offer Only
Contrast ratio (typical)	1300:1	Operating system installed *	Windows 11 Pro
Processor		Processor special features	
Processor manufacturer *	Intel	Intel Flex Memory Access	✓
Processor family *	Intel® Core™ i7	Intel VT-x with Extended Page Tables (EPT)	✓
Processor generation	13th gen Intel® Core™ i7	CPU configuration (max)	1
Processor model *	i7-13850HX	Embedded options available	✗
Performance-core Max Turbo Frequency	5.3 GHz	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Efficient-core Max Turbo Frequency	3.8 GHz	Intel Virtualization Technology (VT-x)	✓
Processor cache	30 MB		
Processor cache type	Smart Cache		
Bus type	DMI4		
Configurable TDP-down	45 W		
Memory			
Internal memory *	32 GB		

Memory		Battery	
Internal memory type	DDR5-SDRAM	Battery technology	Lithium-Ion (Li-Ion)
Memory clock speed	5600 MHz	Number of battery cells	6
Memory form factor	CAMM module	Battery capacity *	83 Wh
Memory layout (slots x size)	1 x 32 GB	Battery voltage	11.55 V
Maximum internal memory *	128 GB	Battery recharge time	3 h
Memory channels	Dual-channel	Fast charging	✓
Non-ECC	✓	Battery weight	383 g
Storage		Power	
Total storage capacity *	1 TB	AC adapter power	180 W
Storage media *	SSD	AC adapter frequency	50 - 60 Hz
Total SSDs capacity	1 TB	AC adapter input voltage	100 - 240 V
Number of SSDs installed	1	AC adapter output current	9.23 A
SSD capacity	1 TB	AC adapter output voltage	19.5 V
SSD interface	PCI Express 4.0	DC-in jack	✓
NVMe	✓	Security	
SSD form factor	M.2	Cable lock slot	✓
Optical drive type *	✗	Cable lock slot type	Wedge
Card reader integrated	✓	Smart card reader	✓
Compatible memory cards	SD, SDHC, SDXC	Trusted Platform Module (TPM)	✓
Graphics		Trusted Platform Module (TPM) version	2.0
Discrete graphics card model *	NVIDIA RTX 2000 Ada	Password protection	✓
Discrete graphics card memory	8 GB	Operational conditions	
Discrete graphics memory type	GDDR6	Operating temperature (T-T)	0 - 35 °C
On-board graphics card *	✓	Storage temperature (T-T)	-40 - 65 °C
On-board GPU manufacturer	Intel	Operating relative humidity (H-H)	10 - 90%
Discrete graphics card *	✓	Storage relative humidity (H-H)	0 - 95%
On-board graphics card model *	Intel® UHD Graphics	Operating altitude	-15.2 - 3048 m
Audio		Non-operating altitude	-15.2 - 10668 m
Audio chip	Realtek ALC3281	Operating shock	110 G
Number of built-in speakers	2	Non-operating shock	160 G
Speaker power	2 W	Operating vibration	0.66 G
Built-in microphone	✓	Non-operating vibration	1.3 G
Number of microphones	2	Weight & dimensions	
Camera		Width	356 mm
Front camera	✓	Depth	258.3 mm
Front camera resolution (numeric)	0.92 MP	Height (front)	2.23 cm
Front camera resolution	1920 x 1080 pixels	Height (rear)	2.32 cm
Front camera HD type	Full HD	Weight *	2.6 kg
Video capturing speed	30 fps	Carbon footprint	
Infrared (IR) camera	✓	Total carbon footprint (kg of CO2e)	471
Network		Total carbon emissions, standard deviation (kg of CO2e)	93
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)	Carbon emissions, manufacturing (kg of CO2e)	386
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6E (802.11ax)	Carbon emissions, logistics (kg of CO2e)	16
Mobile network connection *	✗	Carbon emissions, energy usage (kg of CO2e)	66
Wi-Fi data rate (max)	2400 Mbit/s	Carbon emissions, end-of-life (kg of CO2e)	2
Antenna type	2x2	Total carbon emissions, w/o use phase (kg of CO2e)	405
WLAN controller model	Intel Wi-Fi 6E AX211	PAIA version	1.3.2
WLAN controller manufacturer	Intel	Packaging content	
Ethernet LAN	✓	Cables included	AC
Ethernet LAN data rates	10,100,1000 Mbit/s		
Bluetooth	✓		
Ports & interfaces			
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2		



5397184810316

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.

Publication date: 03-MAR-2025. Prints or copies of Information are only valid on the printed Publication date