



DELL Precision 7680 Intel® Core™ i9 i9-13950HX Mobiilne tööjaam 40,6 cm (16") Full HD+ 32 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX 3500 Ada Wi-Fi 6E (802.11ax) Windows 11 Pro Hall

Brand : DELL

Product family: Precision

Product code:
N009P7680EMEA_VP

Product name : 7680

DELL Precision 7680. Toote tüüp: Mobiilne tööjaam, Toote kuju: Kokkukäiv. Protsessori perekond: Intel® Core™ i9, Protsessori mudel: i9-13950HX. Ekraani diagonaal: 40,6 cm (16"), HD tüüp: Full HD+, Ekraani resolutsioon: 1920 x 1200 pikslit. Sisemälu: 32 GB, Sisemälu tüüp: DDR5-SDRAM. Salvestusmaht kokku: 1 TB, Salvestusseade: SSD. Pardagraafika adapteri mudel: Intel® UHD Graphics, Eraldiseisva graafika adapteri mudel: NVIDIA RTX 3500 Ada. Installitud operatsioonisüsteem: Windows 11 Pro. Toote värv: Hall



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	✓
Display		Combo headphone/mic port	✓
Display diagonal *	40.6 cm (16")	Charging port type	DC-in jack
Display resolution *	1920 x 1200 pixels	Power adapter barrel connector	7.4 mm
Touchscreen *	✗	Performance	
HD type	Full HD+	Ambient light sensor	✓
Panel type	WLED	Accelerometer	✓
LED backlight	✓	Hall sensor	✓
Native aspect ratio	16:10	Keyboard	
Anti-glare screen	✓	Pointing device	Touchpad
Display brightness	500 cd/m ²	Numeric keypad *	✓
Pixel density	142 ppi	Keyboard backlit	✓
RGB colour space	DCI-P3	Software	
Colour gamut	100%	Operating system architecture	64-bit
Maximum refresh rate	60 Hz	Operating system language	Multilingual
Contrast ratio (typical)	1300:1	Trial software	Microsoft Office Trial, McAfee Business Protection 1-year
Processor		Operating system installed *	Windows 11 Pro
Processor manufacturer *	Intel	Processor special features	
Processor family *	Intel® Core™ i9	Intel Flex Memory Access	✓
Processor generation	13th gen Intel® Core™ i9	Intel VT-x with Extended Page Tables (EPT)	✓
Processor model *	i9-13950HX	CPU configuration (max)	1
Processor cores	24	Embedded options available	✗
Processor boost frequency	5.5 GHz	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Efficient-core boost frequency	4 GHz	Intel Virtualization Technology (VT-x)	✓
Processor cache	36 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 recharge time	3 h
Memory layout (slots x size)	1 x 32 GB	Fast charging	✓
Maximum internal memory *	128 GB	Power	
Memory channels	Dual-channel	AC adapter power	240 W
Storage		AC adapter frequency	50 - 60 Hz
Total storage capacity *	1 TB	AC adapter input voltage	100 - 240 V
Storage media *	SSD	AC adapter output current	12.3 A
Total SSDs capacity	1 TB	AC adapter output voltage	19.5 V
Number of SSDs installed	1	Security	
SSD capacity	1 TB	Cable lock slot	✓
SSD interface	PCI Express 4.0	Cable lock slot type	Wedge
NVMe	✓	Fingerprint reader	✓
SSD form factor	M.2	Smart card reader	✓
Optical drive type *	✗	Trusted Platform Module (TPM)	✓
Card reader integrated	✓	Trusted Platform Module (TPM) version	2.0
Compatible memory cards	SD, SDHC, SDXC	Password protection	✓
Graphics		Operational conditions	
Discrete graphics card model *	NVIDIA RTX 3500 Ada	Operating temperature (T-T)	0 - 35 °C
Discrete graphics card memory	12 GB	Storage temperature (T-T)	-40 - 65 °C
Discrete graphics memory type	GDDR6	Operating relative humidity (H-H)	10 - 90%
On-board graphics card *	✓	Storage relative humidity (H-H)	0 - 95%
On-board GPU manufacturer	Intel	Operating altitude	-15.2 - 3048 m
Discrete graphics card *	✓	Non-operating altitude	-15.2 - 10668 m
On-board graphics card model *	Intel® UHD Graphics	Operating shock	110 G
Audio		Non-operating shock	160 G
Audio chip	Realtek ALC3281	Operating vibration	0.66 G
Number of built-in speakers	2	Non-operating vibration	1.3 G
Speaker power	2 W	Weight & dimensions	
Built-in microphone	✓	Width	356 mm
Number of microphones	2	Depth	258.3 mm
Camera		Height (front)	2.23 cm
Front camera	✓	Height (rear)	2.32 cm
Front camera resolution (numeric)	0.92 MP	Weight *	2.6 kg
Front camera resolution	1920 x 1080 pixels	Carbon footprint	
Front camera HD type	Full HD	Total carbon footprint (kg of CO2e)	471
Video capturing speed	30 fps	Total carbon emissions, standard deviation (kg of CO2e)	93
Infrared (IR) camera	✓	Carbon emissions, manufacturing (kg of CO2e)	386
Network		Carbon emissions, logistics (kg of CO2e)	16
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)	Carbon emissions, energy usage (kg of CO2e)	66
Wi-Fi standards	Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax)	Carbon emissions, end-of-life (kg of CO2e)	2
Mobile network connection *	✗	Total carbon emissions, w/o use phase (kg of CO2e)	405
Wi-Fi data rate (max)	2400 Mbit/s	PAIA version	1.3.2
Antenna type	2x2	Packaging content	
WLAN controller model	Intel Wi-Fi 6E AX211	Cables included	AC
WLAN controller manufacturer	Intel		
Ethernet LAN	✓		
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		

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.