



## DELL Precision 7780 Intel® Core™ i9 i9-13950HX Mobile workstation 43.9 cm (17.3") Full HD 32 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: 0G58W

Product name : 7780

DELL Precision 7780. Product type: Mobile workstation, Form factor: Clamshell. Processor family: Intel® Core™ i9, Processor model: i9-13950HX. Display diagonal: 43.9 cm (17.3"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 32 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		Ports & interfaces	
Product type *	Mobile workstation	Intel® Thunderbolt 4	✓
Product colour *	Grey	Combo headphone/mic port	✓
Form factor *	Clamshell	Power adapter barrel connector	7.4 mm
Market positioning	Business	USB Type-C DisplayPort Alternate Mode	✓
Intel® vPro™ Platform Eligibility	✓	PowerShare	✓
Display		Number of USB ports with PowerShare support	1
Display diagonal *	43.9 cm (17.3")	Performance	
Display resolution *	1920 x 1080 pixels	Ambient light sensor	✓
Touchscreen *	✗	Accelerometer	✓
HD type	Full HD	Hall sensor	✓
Panel type	WVA	Keyboard	
LED backlight	✓	Pointing device	Touchpad
Native aspect ratio	16:9	Keyboard language	Nordic
Anti-glare screen	✓	Numeric keypad *	✓
Display brightness	500 cd/m <sup>2</sup>	Keyboard backlit	✓
Pixel density	127 ppi	Keyboard number of keys	100
RGB colour space	DCI-P3	Software	
Colour gamut	99%	Operating system architecture	64-bit
Maximum refresh rate	60 Hz	Operating system language	Multilingual
Contrast ratio (typical)	1000:1	Trial software	No Microsoft Office License Included 30 day Trial Offer Only
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		
Internal memory type	DDR5-SDRAM		

<b>Memory</b>		<b>Battery</b>	
Memory clock speed	5600 MHz	Battery technology	Lithium-Ion (Li-Ion)
Memory form factor	CAMM module	Number of battery cells	6
Memory layout (slots x size)	1 x 32 GB	Battery capacity *	93 Wh
Maximum internal memory *	128 GB	Battery voltage	11.55 V
<b>Storage</b>		Battery recharge time	3 h
Total storage capacity *	1 TB	Fast charging	✓
Storage media *	SSD	Battery charge indicator	✓
Total SSDs capacity	1 TB	Battery weight	410 g
Number of SSDs installed	1	<b>Power</b>	
SSD capacity	1 TB	AC adapter power	240 W
SSD interface	PCI Express	AC adapter frequency	50 - 60 Hz
NVMe	✓	AC adapter input voltage	100 - 240 V
SSD form factor	M.2	AC adapter output current	12.3 A
Optical drive type *	✗	DC-in jack	✓
Card reader integrated	✓	<b>Security</b>	
Compatible memory cards	SD, SDHC, SDXC	Cable lock slot	✓
<b>Graphics</b>		Cable lock slot type	Wedge
Discrete graphics card model *	NVIDIA RTX 3500 Ada	Smart card reader	✓
Discrete graphics card memory	12 GB	Trusted Platform Module (TPM)	✓
Discrete graphics memory type	GDDR6	Trusted Platform Module (TPM) version	2.0
On-board graphics card *	✓	Password protection	✓
On-board GPU manufacturer	Intel	<b>Operational conditions</b>	
Discrete graphics card *	✓	Operating temperature (T-T)	0 - 35 °C
On-board graphics card model *	Intel® UHD Graphics	Storage temperature (T-T)	-40 - 65 °C
<b>Audio</b>		Operating relative humidity (H-H)	10 - 90%
Audio chip	Realtek ALC3281	Storage relative humidity (H-H)	0 - 95%
Number of built-in speakers	2	Operating altitude	-15.2 - 3048 m
Speaker power	2 W	Non-operating altitude	-15.2 - 10668 m
Built-in microphone	✓	Operating shock	110 G
Number of microphones	2	Non-operating shock	160 G
<b>Camera</b>		Operating vibration	0.66 G
Front camera	✓	Non-operating vibration	1.3 G
Front camera resolution (numeric)	0.92 MP	<b>Weight &amp; dimensions</b>	
Front camera resolution	1920 x 1080 pixels	Width	398 mm
Front camera HD type	Full HD	Depth	265 mm
Video capturing speed	30 fps	Height (front)	2.6 cm
Infrared (IR) camera	✓	Height (rear)	2.67 cm
<b>Network</b>		Weight *	3.02 kg
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)	<b>Carbon footprint</b>	
Wi-Fi standards	Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax)	Total carbon footprint (kg of CO2e)	510
Mobile network connection *	✗	Total carbon emissions, standard deviation (kg of CO2e)	104
Wi-Fi data rate (max)	2400 Mbit/s	Carbon emissions, manufacturing (kg of CO2e)	404
Antenna type	2x2	Carbon emissions, logistics (kg of CO2e)	19
WLAN controller model	Intel Wi-Fi 6E AX211	Carbon emissions, energy usage (kg of CO2e)	85
WLAN controller manufacturer	Intel	Carbon emissions, end-of-life (kg of CO2e)	2
Ethernet LAN	✓	Total carbon emissions, w/o use phase (kg of CO2e)	425
Ethernet LAN data rates	10,100,1000 Mbit/s	PAIA version	1.3.2
Bluetooth	✓	<b>Packaging content</b>	
<b>Ports &amp; interfaces</b>		Cables included	AC
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2		
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1		
Ethernet LAN (RJ-45) ports	1		
HDMI ports quantity *	1		

## Ports & interfaces

Thunderbolt 4 ports quantity 2



5397184810057

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