



DELL Precision 7780 Intel® Core™ i9 i9-13950HX Mobile workstation 43.9 cm (17.3") 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: 3GK6N

Product name : 7780

- Windows 11 Pro 64-bit
- Intel Core i9-13950HX (36MB Cache)
- 43.9 cm (17.3") Full HD 1920 x 1080 WVA, NVIDIA RTX 3500 (12GB GDDR6)
- 64GB DDR5-SDRAM & 1000GB SSD
Intel Core i9-13950HX (36MB Cache), 64GB DDR5-SDRAM, 1000GB SSD, 43.9 cm (17.3") Full HD 1920 x 1080 WVA, Intel UHD Graphics, NVIDIA RTX 3500 (12GB GDDR6), LAN, WLAN, Webcam, Windows 11 Pro 64-bit



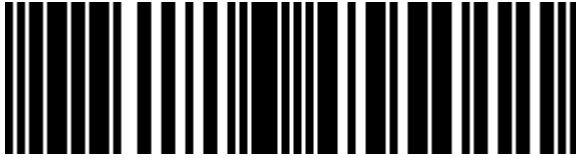
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Design		Network	
Product type *	Mobile workstation	WLAN controller manufacturer	Intel
Product colour *	Grey	Ethernet LAN	✓
Form factor *	Clamshell	Ethernet LAN data rates	10,100,1000 Mbit/s
Market positioning	Business	Bluetooth	✓
Display		WWAN	Upgradable
Display diagonal *	43.9 cm (17.3")	Ports & interfaces	
Display resolution *	1920 x 1080 pixels	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Touchscreen *	✗	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
HD type	Full HD	Ethernet LAN (RJ-45) ports	1
Panel type	WVA	HDMI ports quantity *	1
LED backlight	✓	Thunderbolt 4 ports quantity	2
Native aspect ratio	16:9	Intel® Thunderbolt 4	✓
Anti-glare screen	✓	Combo headphone/mic port	✓
Display brightness	500 cd/m²	Power adapter barrel connector	7.4 mm
Pixel density	127 ppi	USB Type-C DisplayPort Alternate Mode	✓
RGB colour space	DCI-P3	PowerShare	✓
Colour gamut	99%	Number of USB ports with PowerShare support	1
Maximum refresh rate	60 Hz	Performance	
Contrast ratio (typical)	1000:1	Ambient light sensor	✓
Processor		Accelerometer	✓
Processor manufacturer *	Intel	Hall sensor	✓
Processor family *	Intel® Core™ i9	Keyboard	
Processor generation	13th gen Intel® Core™ i9	Pointing device	Touchpad
Processor model *	i9-13950HX	Numeric keypad *	✓
Processor cores	24	Keyboard backlight	✓
Processor boost frequency	5.5 GHz	Software	
Efficient-core boost frequency	4 GHz	Operating system architecture	64-bit
Processor cache	36 MB	Operating system installed *	Windows 11 Pro
Processor cache type	Smart Cache		
Bus type	DMI4		
Configurable TDP-down	45 W		
Memory			
Internal memory *	64 GB		
Internal memory type	DDR5-SDRAM		

Memory		Processor special features	
Memory form factor	CAMM module	CPU configuration (max)	1
Maximum internal memory *	128 GB	Battery	
Storage		Battery technology	Lithium-Ion (Li-Ion)
Total storage capacity *	1 TB	Number of battery cells	6
Storage media *	SSD	Battery capacity *	93 Wh
Total SSDs capacity	1 TB	Battery voltage	11.55 V
Number of SSDs installed	1	Battery recharge time	3 h
SSD capacity	1 TB	Fast charging	✓
SSD interface	PCI Express	Battery charge indicator	✓
NVMe	✓	Battery weight	410 g
SSD form factor	M.2	Power	
Optical drive type *	✗	AC adapter power	240 W
Card reader integrated	✓	AC adapter frequency	50 - 60 Hz
Compatible memory cards	SD, SDHC, SDXC	AC adapter input voltage	100 - 240 V
Graphics		AC adapter output current	12.3 A
Discrete graphics card model *	NVIDIA RTX 3500 Ada	DC-in jack	✓
Discrete graphics card memory	12 GB	Security	
Discrete graphics memory type	GDDR6	Cable lock slot	✓
On-board graphics card *	✓	Cable lock slot type	Wedge
On-board GPU manufacturer	Intel	Trusted Platform Module (TPM)	✓
Discrete graphics card *	✓	Trusted Platform Module (TPM) version	2.0
On-board graphics card model *	Intel® UHD Graphics	Password protection	✓
Audio		Operational conditions	
Audio chip	Realtek ALC3281	Operating temperature (T-T)	0 - 35 °C
Number of built-in speakers	2	Storage temperature (T-T)	-40 - 65 °C
Speaker power	2 W	Operating relative humidity (H-H)	10 - 90%
Built-in microphone	✓	Storage relative humidity (H-H)	0 - 95%
Number of microphones	2	Operating altitude	-15.2 - 3048 m
Camera		Non-operating altitude	-15.2 - 10668 m
Front camera	✓	Operating shock	110 G
Front camera resolution (numeric)	0.92 MP	Non-operating shock	160 G
Front camera resolution	1920 x 1080 pixels	Operating vibration	0.66 G
Front camera HD type	Full HD	Non-operating vibration	1.3 G
Video capturing speed	30 fps	Weight & dimensions	
Network		Width	398 mm
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)	Depth	265 mm
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6E (802.11ax)	Height (front)	2.6 cm
Mobile network connection *	✗	Height (rear)	2.67 cm
Wi-Fi data rate (max)	2400 Mbit/s	Weight *	3.02 kg
Antenna type	2x2	Packaging content	
WLAN controller model	Intel Wi-Fi 6E AX211	Cables included	AC



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