DELL Precision 7680 Intel® Core™ i9 i9-13950HX Estación de trabajo móvil 40.6 cm (16") Full HD+ 64 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX 2000 Ada Wi-Fi 6E (802.11ax) Windows 11 Pro Gris

Marca : DELL

Familia de productos: Precision

Código del producto: 1025690144858

Nombre del producto : 7680

DELL Precision 7680. Tipo de producto: Estación de trabajo móvil, Factor de forma: Concha. Familia de procesador: Intel® Core™ i9, Modelo del procesador: i9-13950HX. Diagonal de la pantalla: 40.6 cm (16"), Tipo HD: Full HD+, Resolución de la pantalla: 1920 x 1200 Pixeles. Memoria interna: 64 GB, Tipo de memoria interna: DDR5-SDRAM. Capacidad total de almacenaje: 1 TB, Unidad de almacenamiento: SSD. Modelo de gráficos en tarjeta: Intel® UHD Graphics, Modelo de adaptador de gráficos discretos: NVIDIA RTX 2000 Ada. Sistema operativo instalado: Windows 11 Pro. Color del producto: Gris

Design	
Product type *	Mobile workstation
Product colour *	Grey
Form factor *	Clamshell
Market positioning	Business
Introduction year	2023

Display	
Display diagonal *	40.6 cm (16")
Display resolution *	1920 x 1200 pixels
Touchscreen *	✕
HD type	Full HD+
Panel type	WLED
LED backlight	✓
Native aspect ratio	16:10
Anti-glare screen	✓
Display brightness	500 cd/m²
Pixel density	142 ppi
RGB colour space	DCI-P3
Colour gamut	100%
Maximum refresh rate	60 Hz
Contrast ratio (typical)	1300:1

Processor	
Processor manufacturer *	Intel
Processor family *	Intel® Core™ i9
Processor generation	13th gen Intel® Core™ i9
Processor model *	i9-13950HX
Processor cores	24
Processor boost frequency	5.5 GHz
Efficient-core boost frequency	4 GHz
Processor cache	36 MB
Processor cache type	Smart Cache

Memory	
Internal memory *	64 GB
Internal memory type	DDR5-SDRAM
Memory form factor	CAMM module

Network	
Wi-Fi standards	Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax)
Mobile network connection *	✕
Wi-Fi data rate (max)	2400 Mbit/s
Antenna type	2x2
WLAN controller model	Intel Wi-Fi 6E AX211
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
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
Thunderbolt 4 ports quantity	2
Intel® Thunderbolt 4	✓
Combo headphone/mic port	✓
Power adapter barrel connector	7.4 mm

Performance	
Ambient light sensor	✓
Accelerometer	✓
Hall sensor	✓

Keyboard	
Pointing device	Touchpad
Numeric keypad *	✓
Keyboard backlit	✓

Software	
Operating system architecture	64-bit
Operating system installed *	Windows 11 Pro

Memory	
Maximum internal memory *	128 GB
Memory channels	Dual-channel
Memory data transfer rate	5200 MT/s
Non-ECC	✔

Storage	
Total storage capacity *	1 TB
Storage media *	SSD
Total SSDs capacity	1 TB
Number of SSDs installed	1
SSD capacity	1 TB
SSD interface	PCI Express 4.0
NVMe	✔
SSD form factor	M.2
Optical drive type *	✘
Card reader integrated	✔
Compatible memory cards	SD, SDHC, SDXC

Graphics	
Discrete graphics card model *	NVIDIA RTX 2000 Ada
Discrete graphics card memory	8 GB
Discrete graphics memory type	GDDR6
On-board graphics card *	✔
On-board GPU manufacturer	Intel
Discrete graphics card *	✔
On-board graphics card model *	Intel® UHD Graphics

Audio	
Audio chip	Realtek ALC3281
Number of built-in speakers	2
Speaker power	2 W
Built-in microphone	✔
Number of microphones	2

Camera	
Front camera	✔
Front camera resolution (numeric)	0.92 MP
Front camera resolution	1920 x 1080 pixels
Front camera HD type	Full HD
Video capturing speed	30 fps
Infrared (IR) camera	✔

Network	
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)

Battery	
Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	6
Battery capacity *	83 Wh
Battery voltage	11.55 V
Battery recharge time	3 h
Fast charging	✔
Battery weight	383 g

Power	
AC adapter power	180 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
AC adapter output current	9.23 A
AC adapter output voltage	19.5 V
DC-in jack	✔

Security	
Cable lock slot	✔
Cable lock slot type	Wedge
Trusted Platform Module (TPM)	✔
Trusted Platform Module (TPM) version	2.0
Password protection	✔

Operational conditions	
Operating temperature (T-T)	0 - 35 °C
Storage temperature (T-T)	-40 - 65 °C
Operating relative humidity (H-H)	10 - 90%
Storage relative humidity (H-H)	0 - 95%
Operating altitude	-15.2 - 3048 m
Non-operating altitude	-15.2 - 10668 m
Operating shock	110 G
Non-operating shock	160 G
Operating vibration	0.66 G
Non-operating vibration	1.3 G

Weight & dimensions	
Width	356 mm
Depth	258.3 mm
Height (front)	2.23 cm
Height (rear)	2.32 cm
Weight *	2.03 kg

Packaging content	
Cables included	AC

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