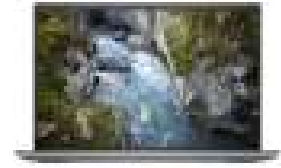![DELL logo]

DELL Precision 5680 Intel® Core™ i9 i9-13900H Station de travail mobile 40,6 cm (16") Écran tactile WQUXGA 32 Go LPDDR5-SDRAM 1 To SSD NVIDIA RTX 3500 Ada Wi-Fi 6E (802.11ax) Windows 11 Pro Gris

Marque : DELL **Famille de produit:** Precision **Code produit:** 8WPY9

Nom du produit : 5680

- Windows 11 Pro 64-bit
- Intel Core i9-13900H (24Mo Cache)
- 40.6 cm (16") WQUXGA 3840 x 2400 OLED Touch, NVIDIA RTX 3500 (12Go GDDR6)
- 32Go (6000MHz) LPDDR5-SDRAM & 1000Go SSD
Intel Core i9-13900H (24Mo Cache), 32Go LPDDR5-SDRAM, 1000Go SSD, 40.6 cm (16") WQUXGA 3840 x 2400 OLED Touch, Intel Iris Xe Graphics, NVIDIA RTX 3500 (12Go GDDR6), WLAN, Webcam, Windows 11 Pro 64-bit

DELL Precision 5680 Intel® Core™ i9 i9-13900H Station de travail mobile 40,6 cm (16") Écran tactile WQUXGA 32 Go LPDDR5-SDRAM 1 To SSD NVIDIA RTX 3500 Ada Wi-Fi 6E (802.11ax) Windows 11 Pro Gris:

Le modèle Precision 5680 présente un aspect haut de gamme et fournit des performances exceptionnelles avec des options de carte graphique étendues.

Design

Colour name	Titan Gray
Product type *	Mobile workstation
Product colour *	Grey
Form factor *	Clamshell
Housing material	Aluminium
Market positioning	Business

Display

Display diagonal *	40.6 cm (16")
Display resolution *	3840 x 2400 pixels
Touchscreen *	✔
HD type	WQUXGA
Panel type	OLED
LED backlight	✔
Native aspect ratio	16:10
Display brightness	400 cd/m²
Pixel density	283 ppi
RGB colour space	DCI-P3
Colour gamut	100%
Maximum refresh rate	60 Hz
Contrast ratio (typical)	100000:1

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i9
Processor generation	13th gen Intel® Core™ i9
Processor model *	i9-13900H
Processor cores	14
Processor threads	20
Processor boost frequency	5.4 GHz

Network

Bluetooth	✔
MIMO	✔
MIMO type	Multi User MIMO

Ports & interfaces

USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
HDMI ports quantity *	1
HDMI version	2.0b
Thunderbolt 4 ports quantity	2
Intel® Thunderbolt 4	✔
Combo headphone/mic port	✔
Charging port type	USB Type-C
USB Type-C DisplayPort Alternate Mode	✔

Performance

Accelerometer	✔

Keyboard

Pointing device	Trackpad
Keyboard language	Belgian
Numeric keypad *	✗
Keyboard backlit	✔
Keyboard number of keys	80

Software

Operating system architecture	64-bit
Operating system language	Multilingual
Trial software	Activate Your Microsoft 365 For A 30 Day Trial

Processor

Performance-core boost frequency	5.4 GHz
Efficient-core boost frequency	4.1 GHz
Processor cache	24 MB
Processor cache type	Smart Cache
Configurable TDP-down	35 W
Processor base power	45 W

Memory

Internal memory *	32 GB
Internal memory type	LPDDR5-SDRAM
Memory clock speed	6000 MHz
Memory form factor	On-board
Maximum internal memory *	32 GB

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
SSD performance class	40
Optical drive type *	✘
Card reader integrated	✔
Compatible memory cards	MicroSD (TransFlash), MicroSDHC, MicroSDXC

Graphics

Discrete graphics card model *	NVIDIA RTX 3500 Ada
Discrete graphics card memory	12 GB
Discrete graphics memory type	GDDR6
On-board graphics card *	✔
On-board GPU manufacturer	Intel
Discrete graphics card *	✔
On-board graphics card model *	Intel Iris Xe Graphics

Audio

Audio chip	Realtek ALC711-VD
Number of built-in speakers	4
Speaker power	8 W
Built-in microphone	✔
Number of microphones	2

Camera

Front camera	✔
Front camera resolution (numeric)	0.9 MP
Front camera resolution	1920 x 1080 pixels
Front camera HD type	Full HD
Video capturing speed	30 fps
Infrared (IR) camera	✔

Network

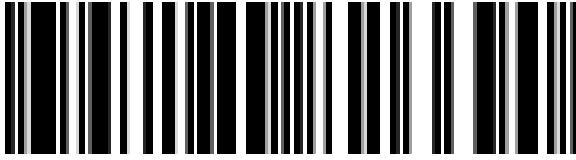|	
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax)
Mobile network connection *	✘
Wi-Fi data rate (max)	2400 Mbit/s
Antenna type	2x2
WLAN controller model	Intel Wi-Fi 6E AX211
WLAN controller manufacturer	Intel

Software

Operating system installed *	Windows 11 Pro

Processor special features

CPU configuration (max)	1

Battery

Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	6
Battery capacity *	99.5 Wh
Battery voltage	11.55 V
Battery recharge time	3 h
Fast charging	✔
Battery weight	363 g

Power

AC adapter power	165 W
AC adapter frequency	50/60 Hz
AC adapter input voltage	100 - 240 V
USB charging voltage	20,5,9,15 V

Security

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

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

Sustainability

Sustainability certificates	ENERGY STAR, EPEAT Gold

Weight & dimensions

Width	353.7 mm
Depth	240.3 mm
Height (front)	2.62 cm
Height (rear)	2.62 cm
Weight *	1.91 kg

Carbon footprint

Total carbon footprint (kg of CO2e)	475
Total carbon emissions, standard deviation (kg of CO2e)	92
Carbon emissions, manufacturing (kg of CO2e)	398
Carbon emissions, logistics (kg of CO2e)	25
Carbon emissions, energy usage (kg of CO2e)	49
Carbon emissions, end-of-life (kg of CO2e)	3
Total carbon emissions, w/o use phase (kg of CO2e)	426
PAIA version	1.3.2

Network		Packaging content	
Ethernet LAN	✗	Cables included	AC

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