



DELL Precision 5680 Intel® Core™ i9 i9-13900H Mobiel werkstation 40,6 cm (16") Touchscreen WQUXGA 32 GB LPDDR5-SDRAM 1 TB SSD NVIDIA RTX 3500 Ada Wi-Fi 6E (802.11ax) Windows 11 Pro Grijs

Merk : DELL

Productfamilie: Precision

Artikelcode: 8WPY9

Productnaam : 5680



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

DELL Precision 5680 Intel® Core™ i9 i9-13900H Mobiel werkstation 40,6 cm (16") Touchscreen WQUXGA 32 GB LPDDR5-SDRAM 1 TB SSD NVIDIA RTX 3500 Ada Wi-Fi 6E (802.11ax) Windows 11 Pro Grijs:

16 inch premium workstation voor gebruikers die op zoek zijn naar krachtige prestaties en een groot beeldscherm in een dun en licht chassis. Met FHD-infraroodcamera, haptics trackpad en 4 'Grade A'-luidsprekers.

Design		Network	
Colour name	Titan Gray	Bluetooth	✓
Product type *	Mobile workstation	MIMO	✓
Product colour *	Grey	MIMO type	Multi User MIMO
Form factor *	Clamshell	Ports & interfaces	
Housing material	Aluminium	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Market positioning	Business	HDMI ports quantity *	1
Display		HDMI version	2.0b
Display diagonal *	40.6 cm (16")	Thunderbolt 4 ports quantity	2
Display resolution *	3840 x 2400 pixels	Intel® Thunderbolt 4	✓
Touchscreen *	✓	Combo headphone/mic port	✓
HD type	WQUXGA	Charging port type	USB Type-C
Panel type	OLED	USB Type-C DisplayPort Alternate Mode	✓
LED backlight	✓	Performance	
Native aspect ratio	16:10	Accelerometer	✓
Display brightness	400 cd/m ²	Keyboard	
Pixel density	283 ppi	Pointing device	Trackpad
RGB colour space	DCI-P3	Keyboard language	Belgian
Colour gamut	100%	Numeric keypad *	✗
Maximum refresh rate	60 Hz	Keyboard backlight	✓
Contrast ratio (typical)	100000:1	Keyboard number of keys	80
Processor		Software	
Processor manufacturer *	Intel	Operating system architecture	64-bit
Processor family *	Intel® Core™ i9	Operating system language	Multilingual
Processor generation	13th gen Intel® Core™ i9	Trial software	Activate Your Microsoft 365 For A 30 Day Trial
Processor model *	i9-13900H		
Processor cores	14		
Processor threads	20		
Processor boost frequency	5.4 GHz		

Processor		Software	
Performance-core boost frequency	5.4 GHz	Operating system installed *	Windows 11 Pro
Efficient-core boost frequency	4.1 GHz	Processor special features	
Processor cache	24 MB	CPU configuration (max)	1
Processor cache type	Smart Cache	Battery	
Configurable TDP-down	35 W	Battery technology	Lithium-Ion (Li-Ion)
Processor base power	45 W	Number of battery cells	6
Memory		Battery capacity *	99.5 Wh
Internal memory *	32 GB	Battery voltage	11.55 V
Internal memory type	LPDDR5-SDRAM	Battery recharge time	3 h
Memory clock speed	6000 MHz	Fast charging	✓
Memory form factor	On-board	Battery weight	363 g
Maximum internal memory *	32 GB	Power	
Storage		AC adapter power	165 W
Total storage capacity *	1 TB	AC adapter frequency	50/60 Hz
Storage media *	SSD	AC adapter input voltage	100 - 240 V
Total SSDs capacity	1 TB	USB charging voltage	20,5,9,15 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	✓	Trusted Platform Module (TPM)	✓
SSD form factor	M.2	Trusted Platform Module (TPM) version	2.0
SSD performance class	40	Operational conditions	
Optical drive type *	✗	Operating temperature (T-T)	0 - 35 °C
Card reader integrated	✓	Storage temperature (T-T)	-40 - 65 °C
Compatible memory cards	MicroSD (TransFlash), MicroSDHC, MicroSDXC	Operating relative humidity (H-H)	10 - 90%
Graphics		Storage relative humidity (H-H)	0 - 95%
Discrete graphics card model *	NVIDIA RTX 3500 Ada	Operating altitude	-15.2 - 3048 m
Discrete graphics card memory	12 GB	Non-operating altitude	-15.2 - 10668 m
Discrete graphics memory type	GDDR6	Operating shock	110 G
On-board graphics card *	✓	Non-operating shock	160 G
On-board GPU manufacturer	Intel	Operating vibration	0.66 G
Discrete graphics card *	✓	Non-operating vibration	1.3 G
On-board graphics card model *	Intel Iris Xe Graphics	Sustainability	
Audio		Sustainability certificates	ENERGY STAR, EPEAT Gold
Audio chip	Realtek ALC711-VD	Weight & dimensions	
Number of built-in speakers	4	Width	353.7 mm
Speaker power	8 W	Depth	240.3 mm
Built-in microphone	✓	Height (front)	2.62 cm
Number of microphones	2	Height (rear)	2.62 cm
Camera		Weight *	1.91 kg
Front camera	✓	Carbon footprint	
Front camera resolution (numeric)	0.9 MP	Total carbon footprint (kg of CO2e)	475
Front camera resolution	1920 x 1080 pixels	Total carbon emissions, standard deviation (kg of CO2e)	92
Front camera HD type	Full HD	Carbon emissions, manufacturing (kg of CO2e)	398
Video capturing speed	30 fps	Carbon emissions, logistics (kg of CO2e)	25
Infrared (IR) camera	✓	Carbon emissions, energy usage (kg of CO2e)	49
Network		Carbon emissions, end-of-life (kg of CO2e)	3
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)	Total carbon emissions, w/o use phase (kg of CO2e)	426
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax)	PAIA version	1.3.2
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		

Network

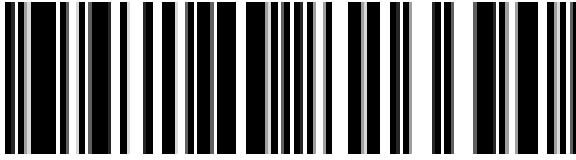
Ethernet LAN



Packaging content

Cables included

AC



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