



DELL Precision 5680 Intel® Core™ i9 i9-13900H Mobile workstation 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 Grey

Brand : DELL

Product family: Precision

Product code: H9HP2

Product name : 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 Mobile workstation 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 Grey:

16-inch premium workstation for users who want high performance and a large display in a thin & light chassis. Featuring FHD-IR camera, haptics trackpad, and 4 'Grade A' speakers.



Design		Network	
Colour name	Titan Gray	Ethernet LAN	✗
Product type *	Mobile workstation	Bluetooth	✓
Product colour *	Grey	Ports & interfaces	
Form factor *	Clamshell	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Housing material	Aluminium	HDMI ports quantity *	1
Market positioning	Business	HDMI version	2.0b
Intel® vPro™ Platform Eligibility	✓	Thunderbolt 4 ports quantity	2
Display		Intel® Thunderbolt 4	✓
Display diagonal *	40.6 cm (16")	Combo headphone/mic port	✓
Display resolution *	3840 x 2400 pixels	Charging port type	USB Type-C
Touchscreen *	✓	USB Type-C DisplayPort Alternate Mode	✓
HD type	WQUXGA	Performance	
Panel type	OLED	Accelerometer	✓
LED backlight	✓	Keyboard	
Native aspect ratio	16:10	Pointing device	Trackpad
Display brightness	400 cd/m ²	Keyboard language	UK English
Pixel density	283 ppi	Numeric keypad *	✗
RGB colour space	DCI-P3	Keyboard backlit	✓
Colour gamut	100%	Keyboard number of keys	80
Maximum refresh rate	60 Hz	Software	
Contrast ratio (typical)	100000:1	Operating system architecture	64-bit
Processor		Operating system language	Multilingual
Processor manufacturer *	Intel	Trial software	No Microsoft Office License Included 30 day Trial Offer Only
Processor family *	Intel® Core™ i9	Operating system installed *	Windows 11 Pro
Processor generation	13th gen Intel® Core™ i9		
Processor model *	i9-13900H		
Processor cores	14		
Processor boost frequency	5.4 GHz		

Processor		Processor special features	
Performance-core boost frequency	5.4 GHz	CPU configuration (max)	1
Efficient-core boost frequency	4.1 GHz	Battery	
Processor cache	24 MB	Battery technology	Lithium-Ion (Li-Ion)
Processor cache type	Smart Cache	Number of battery cells	6
Configurable TDP-down	35 W	Battery capacity *	99.5 Wh
Memory		Battery voltage	11.55 V
Internal memory *	32 GB	Battery recharge time	3 h
Internal memory type	LPDDR5-SDRAM	Fast charging	✓
Memory clock speed	6000 MHz	Battery weight	363 g
Memory form factor	On-board	Power	
Maximum internal memory *	32 GB	AC adapter power	165 W
Storage		AC adapter frequency	50/60 Hz
Total storage capacity *	1 TB	AC adapter input voltage	100 - 240 V
Storage media *	SSD	USB charging voltage	20,5,9,15 V
Total SSDs capacity	1 TB	Security	
Number of SSDs installed	1	Cable lock slot	✓
SSD capacity	1 TB	Cable lock slot type	Wedge
SSD interface	PCI Express 4.0	Trusted Platform Module (TPM)	✓
NVMe	✓	Trusted Platform Module (TPM) version	2.0
SSD form factor	M.2	Operational conditions	
SSD performance class	40	Operating temperature (T-T)	0 - 35 °C
Optical drive type *	✗	Storage temperature (T-T)	-40 - 65 °C
Card reader integrated	✓	Operating relative humidity (H-H)	10 - 90%
Compatible memory cards	MicroSD (TransFlash), MicroSDHC, MicroSDXC	Storage relative humidity (H-H)	0 - 95%
Graphics		Operating altitude	-15.2 - 3048 m
Discrete graphics card model *	NVIDIA RTX 3500 Ada	Non-operating altitude	-15.2 - 10668 m
Discrete graphics card memory	12 GB	Operating shock	110 G
Discrete graphics memory type	GDDR6	Non-operating shock	160 G
On-board graphics card *	✓	Operating vibration	0.66 G
On-board GPU manufacturer	Intel	Non-operating vibration	1.3 G
Discrete graphics card *	✓	Sustainability	
On-board graphics card model *	Intel Iris Xe Graphics	Sustainability certificates	ENERGY STAR, EPEAT Gold
Audio		Weight & dimensions	
Audio chip	Realtek ALC711-VD	Width	353.7 mm
Number of built-in speakers	4	Depth	240.3 mm
Speaker power	8 W	Height (front)	2.62 cm
Built-in microphone	✓	Height (rear)	2.62 cm
Number of microphones	2	Weight *	1.91 kg
Camera		Carbon footprint	
Front camera	✓	Total carbon footprint (kg of CO2e)	475
Front camera resolution (numeric)	0.9 MP	Total carbon emissions, standard deviation (kg of CO2e)	92
Front camera resolution	1920 x 1080 pixels	Carbon emissions, manufacturing (kg of CO2e)	398
Front camera HD type	Full HD	Carbon emissions, logistics (kg of CO2e)	25
Video capturing speed	30 fps	Carbon emissions, energy usage (kg of CO2e)	49
Infrared (IR) camera	✓	Carbon emissions, end-of-life (kg of CO2e)	3
Network		Total carbon emissions, w/o use phase (kg of CO2e)	426
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)	PAIA version	1.3.2
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax)	Packaging content	
Mobile network connection *	✗	Cables included	AC
Wi-Fi data rate (max)	2400 Mbit/s		
Antenna type	2x2		
WLAN controller model	Intel Wi-Fi 6E AX211		
WLAN controller manufacturer	Intel		



5397184826621

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: 30-OCT-2024. Prints or copies of Information are only valid on the printed Publication date