



DELL Precision 5680 Intel® Core™ i7 i7-13700H Mobile workstation 40.6 cm (16") Full HD+ 32 GB LPDDR5-SDRAM 1 TB SSD NVIDIA RTX 2000 Ada Wi-Fi 6E (802.11ax) Windows 11 Pro US International Grey

Brand : DELL

Product family: Precision

Product code: H23G5

Product name : 5680



DELL Precision 5680. Product type: Mobile workstation, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-13700H. Display diagonal: 40.6 cm (16"), HD type: Full HD+, Display resolution: 1920 x 1200 pixels. Internal memory: 32 GB, Internal memory type: LPDDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel Iris Xe Graphics, Discrete graphics card model: NVIDIA RTX 2000 Ada. Operating system installed: Windows 11 Pro. Product colour: Grey

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 *	1920 x 1200 pixels	USB Type-C DisplayPort Alternate Mode	✓
Touchscreen *	✗	Performance	
HD type	Full HD+	Accelerometer	✓
Panel type	WLED	Keyboard	
LED backlight	✓	Pointing device	Trackpad
Native aspect ratio	16:10	Numeric keypad *	✗
Anti-glare screen	✓	Keyboard backlight	✓
Display brightness	500 cd/m ²	Keyboard number of keys	79
Pixel density	142 ppi	Keyboard language	US International
RGB colour space	DCI-P3	Software	
Colour gamut	100%	Operating system architecture	64-bit
Maximum refresh rate	60 Hz	Operating system language	Multilingual
Contrast ratio (typical)	1300:1	Trial software	No Microsoft Office License Included 30 day Trial Offer Only
Processor		Operating system installed *	Windows 11 Pro
Processor manufacturer *	Intel		
Processor family *	Intel® Core™ i7		
Processor generation	13th gen Intel® Core™ i7		
Processor model *	i7-13700H		

Processor		Processor special features	
Processor cores	14	CPU configuration (max)	1
Processor boost frequency	5 GHz	Battery	
Performance-core boost frequency	5 GHz	Battery technology	Lithium-Ion (Li-Ion)
Efficient-core boost frequency	3.7 GHz	Number of battery cells	6
Processor cache	24 MB	Battery capacity *	99.5 Wh
Processor cache type	Smart Cache	Battery voltage	11.55 V
Configurable TDP-down	35 W	Battery recharge time	3 h
Memory		Fast charging	✓
Internal memory *	32 GB	Battery weight	363 g
Internal memory type	LPDDR5-SDRAM	Power	
Memory clock speed	6000 MHz	AC adapter power	165 W
Memory form factor	On-board	AC adapter frequency	50/60 Hz
Maximum internal memory *	32 GB	AC adapter input voltage	100 - 240 V
Storage		USB Type-C charging port *	✓
Total storage capacity *	1 TB	USB charging voltage	20,5,9,15 V
Storage media *	SSD	Security	
Total SSDs capacity	1 TB	Cable lock slot	✓
Number of SSDs installed	1	Cable lock slot type	Wedge
SSD capacity	1 TB	Trusted Platform Module (TPM)	✓
SSD interface	PCI Express 4.0	Trusted Platform Module (TPM) version	2.0
NVMe	✓	Operational conditions	
SSD form factor	M.2	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 2000 Ada	Non-operating altitude	-15.2 - 10668 m
Discrete graphics card memory	8 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		



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