



**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 A1000 Wi-Fi 6E (802.11ax) Windows 11 Pro US International Grey**

Brand : DELL

Product family: Precision

Product code: 6N01N

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 A1000. 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	<b>Ports &amp; interfaces</b>	
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
<b>Display</b>		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 *	✗	<b>Performance</b>	
HD type	Full HD+	Accelerometer	✓
Panel type	WLED	<b>Keyboard</b>	
LED backlight	✓	Pointing device	Trackpad
Native aspect ratio	16:10	Numeric keypad *	✗
Anti-glare screen	✓	Keyboard backlight	✓
Display brightness	500 cd/m <sup>2</sup>	Keyboard number of keys	79
Pixel density	142 ppi	Keyboard language	US International
RGB colour space	DCI-P3	<b>Software</b>	
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
<b>Processor</b>		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		

<b>Processor</b>		<b>Processor special features</b>	
Processor cores	14	CPU configuration (max)	1
Processor boost frequency	5 GHz	<b>Battery</b>	
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
<b>Memory</b>		Fast charging	✓
Internal memory *	32 GB	Battery weight	363 g
Internal memory type	LPDDR5-SDRAM	<b>Power</b>	
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
<b>Storage</b>		USB Type-C charging port *	✓
Total storage capacity *	1 TB	USB charging voltage	20,5,9,15 V
Storage media *	SSD	<b>Security</b>	
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	✓	<b>Operational conditions</b>	
SSD form factor	M.2	Operating temperature (T-T)	0 - 35 °C
SSD performance class	40	Storage temperature (T-T)	-40 - 65 °C
Optical drive type *	✗	Operating relative humidity (H-H)	10 - 90%
Card reader integrated	✓	Storage relative humidity (H-H)	0 - 95%
Compatible memory cards	MicroSD (TransFlash), MicroSDHC, MicroSDXC	Operating altitude	-15.2 - 3048 m
<b>Graphics</b>		Non-operating altitude	-15.2 - 10668 m
Discrete graphics card model *	NVIDIA RTX A1000	Operating shock	110 G
Discrete graphics card memory	4 GB	Non-operating shock	160 G
Discrete graphics memory type	GDDR6	Operating vibration	0.66 G
On-board graphics card *	✓	Non-operating vibration	1.3 G
On-board GPU manufacturer	Intel	<b>Sustainability</b>	
Discrete graphics card *	✓	Sustainability certificates	ENERGY STAR, EPEAT Gold
On-board graphics card model *	Intel Iris Xe Graphics	<b>Weight &amp; dimensions</b>	
<b>Audio</b>		Width	353.7 mm
Audio chip	Realtek ALC711-VD	Depth	240.3 mm
Number of built-in speakers	4	Height (front)	2.62 cm
Speaker power	8 W	Height (rear)	2.62 cm
Built-in microphone	✓	Weight *	1.91 kg
Number of microphones	2	<b>Carbon footprint</b>	
<b>Camera</b>		Total carbon footprint (kg of CO2e)	475
Front camera	✓	Total carbon emissions, standard deviation (kg of CO2e)	92
Front camera resolution (numeric)	0.9 MP	Carbon emissions, manufacturing (kg of CO2e)	398
Front camera resolution	1920 x 1080 pixels	Carbon emissions, logistics (kg of CO2e)	25
Front camera HD type	Full HD	Carbon emissions, energy usage (kg of CO2e)	49
Video capturing speed	30 fps	Carbon emissions, end-of-life (kg of CO2e)	3
Infrared (IR) camera	✓	Total carbon emissions, w/o use phase (kg of CO2e)	426
<b>Network</b>		PAIA version	1.3.2
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)	<b>Packaging content</b>	
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax)	Cables included	AC
Mobile network connection *	✗		
Wi-Fi data rate (max)	2400 Mbit/s		
Antenna type	2x2		
WLAN controller model	Intel Wi-Fi 6E AX211		

**Network**

WLAN controller manufacturer Intel



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