



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

Brand : DELL

Product family: Precision

Product code: V10VM

Product name : 5680

- Windows 11 Pro 64-bit
- Intel Core i7-13700H (24MB Cache)
- 40.6 cm (16") Full HD+ 1920 x 1200 WLED, NVIDIA RTX 2000 (8GB GDDR6)
- 32GB (6000MHz) LPDDR5-SDRAM & 1000GB SSD

Intel Core i7-13700H (24MB Cache), 32GB LPDDR5-SDRAM, 1000GB SSD, 40.6 cm (16") Full HD+ 1920 x 1200 WLED, Intel Iris Xe Graphics, NVIDIA RTX 2000 (8GB GDDR6), WLAN, Webcam, Windows 11 Pro 64-bit

[DELL Precision 5680 i7-13700H Mobile workstation 40.6 cm \(16"\) Full HD+ Intel® Core™ i7 32 GB LPDDR5-SDRAM 1 TB SSD NVIDIA RTX 2000 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	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Product type *	Mobile workstation	Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax)
Product colour *	Grey	Mobile network connection *	✗
Form factor *	Clamshell	Wi-Fi data rate (max)	2400 Mbit/s
Housing material	Aluminium	Antenna type	2x2
Market positioning	Business	WLAN controller model	Intel Wi-Fi 6E AX211
Intel® vPro™ Platform Eligibility	✓	WLAN controller manufacturer	Intel
Display		Ethernet LAN	✗
Display diagonal *	40.6 cm (16")	Bluetooth	✓
Display resolution *	1920 x 1200 pixels	Ports & interfaces	
Touchscreen *	✗	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
HD type	Full HD+	HDMI ports quantity *	1
Panel type	WLED	HDMI version	2.0b
LED backlight	✓	Thunderbolt 4 ports quantity	2
Native aspect ratio	16:10	Intel® Thunderbolt 4	✓
Anti-glare screen	✓	Combo headphone/mic port	✓
Display brightness	500 cd/m <sup>2</sup>	Charging port type	USB Type-C
Pixel density	142 ppi	USB Type-C DisplayPort Alternate Mode	✓
RGB colour space	DCI-P3	Performance	
Colour gamut	100%	Accelerometer	✓
Maximum refresh rate	60 Hz	Keyboard	
Contrast ratio (typical)	1300:1	Pointing device	Trackpad
Processor		Keyboard language	UK English
Processor manufacturer *	Intel	Numeric keypad *	✗
Processor generation	13th gen Intel® Core™ i7	Keyboard backlit	✓
Processor model *	i7-13700H		
Processor family *	Intel® Core™ i7		
Performance-core boost frequency	5 GHz		

<b>Processor</b>		<b>Keyboard</b>	
Processor boost frequency	5 GHz	Keyboard number of keys	80
Efficient-core boost frequency	3.7 GHz	<b>Software</b>	
Processor cores	14	Operating system architecture	64-bit
Processor cache	24 MB	Operating system language	Multilingual
Processor cache type	Smart Cache	Trial software	No Microsoft Office License Included 30 day Trial Offer Only
Configurable TDP-down	35 W	Operating system installed *	Windows 11 Pro
<b>Memory</b>		<b>Processor special features</b>	
Internal memory *	32 GB	CPU configuration (max)	1
Internal memory type	LPDDR5-SDRAM	<b>Battery</b>	
Memory clock speed	6000 MHz	Battery technology	Lithium-Ion (Li-Ion)
Memory form factor	On-board	Number of battery cells	6
Maximum internal memory *	32 GB	Battery capacity *	99.5 Wh
<b>Storage</b>		Battery voltage	11.55 V
Total storage capacity *	1 TB	Battery recharge time	3 h
Storage media *	SSD	Fast charging	✓
Total SSDs capacity	1 TB	Battery weight	363 g
Number of SSDs installed	1	<b>Power</b>	
SSD capacity	1 TB	AC adapter power	165 W
SSD interface	PCI Express 4.0	AC adapter frequency	50/60 Hz
NVMe	✓	AC adapter input voltage	100 - 240 V
SSD form factor	M.2	USB charging voltage	20,5,9,15 V
SSD performance class	40	<b>Security</b>	
Optical drive type *	✗	Cable lock slot	✓
Card reader integrated	✓	Cable lock slot type	Wedge
Compatible memory cards	MicroSD (TransFlash), MicroSDHC, MicroSDXC	Trusted Platform Module (TPM)	✓
<b>Graphics</b>		Trusted Platform Module (TPM) version	2.0
Discrete graphics card model *	NVIDIA RTX 2000	<b>Operational conditions</b>	
On-board graphics card *	✓	Operating temperature (T-T)	0 - 35 °C
Discrete graphics card *	✓	Storage temperature (T-T)	-40 - 65 °C
On-board graphics card model *	Intel Iris Xe Graphics	Operating relative humidity (H-H)	10 - 90%
Discrete graphics card memory	8 GB	Storage relative humidity (H-H)	0 - 95%
Discrete graphics memory type	GDDR6	Operating altitude	-15.2 - 3048 m
<b>Audio</b>		Non-operating altitude	-15.2 - 10668 m
Audio chip	Realtek ALC711-VD	Operating shock	110 G
Number of built-in speakers	4	Non-operating shock	160 G
Speaker power	8 W	Operating vibration	0.66 G
Built-in microphone	✓	Non-operating vibration	1.3 G
Number of microphones	2	<b>Sustainability</b>	
<b>Camera</b>		Sustainability certificates	ENERGY STAR, EPEAT Gold
Front camera	✓	<b>Weight &amp; dimensions</b>	
Front camera resolution (numeric)	0.9 MP	Width	353.7 mm
Front camera resolution	1920 x 1080 pixels	Depth	240.3 mm
Front camera HD type	Full HD	Height (front)	2.62 cm
Video capturing speed	30 fps	Height (rear)	2.62 cm
Infrared (IR) camera	✓	Weight *	1.91 kg
		<b>Packaging content</b>	
		Cables included	AC



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