



## 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 A1000 Wi-Fi 6E (802.11ax) Windows 11 Pro Grey

Brand : DELL

Product family: Precision

Product code: GM1RT

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 A1000 (6GB 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 A1000 (6GB 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 A1000 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
Optical drive type *	✗	<b>Security</b>	
Card reader integrated	✓	Cable lock slot	✓
Compatible memory cards	MicroSD (TransFlash), MicroSDHC, MicroSDXC	Cable lock slot type	Wedge
<b>Graphics</b>		Trusted Platform Module (TPM)	✓
Discrete graphics card model *	NVIDIA RTX A1000	Trusted Platform Module (TPM) version	2.0
On-board graphics card *	✓	<b>Operational conditions</b>	
Discrete graphics card *	✓	Operating temperature (T-T)	0 - 35 °C
On-board graphics card model *	Intel Iris Xe Graphics	Storage temperature (T-T)	-40 - 65 °C
Discrete graphics card memory	6 GB	Operating relative humidity (H-H)	10 - 90%
Discrete graphics memory type	GDDR6	Storage relative humidity (H-H)	0 - 95%
<b>Audio</b>		Operating altitude	-15.2 - 3048 m
Audio chip	Realtek ALC711-VD	Non-operating altitude	-15.2 - 10668 m
Number of built-in speakers	4	Operating shock	110 G
Speaker power	8 W	Non-operating shock	160 G
Built-in microphone	✓	Operating vibration	0.66 G
Number of microphones	2	Non-operating vibration	1.3 G
<b>Camera</b>		<b>Sustainability</b>	
Front camera	✓	Sustainability certificates	ENERGY STAR, EPEAT Gold
Front camera resolution (numeric)	0.9 MP	<b>Weight &amp; dimensions</b>	
Front camera resolution	1920 x 1080 pixels	Width	353.7 mm
Front camera HD type	Full HD	Depth	240.3 mm
Video capturing speed	30 fps	Height (front)	2.62 cm
Infrared (IR) camera	✓	Height (rear)	2.62 cm
		Weight *	1.91 kg
		<b>Packaging content</b>	
		Cables included	AC



5397184840504

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.