



DELL Precision 5680 Intel® Core™ i7 i7-13800H Mobile workstation 40.6 cm (16") Full HD+ 32 GB LPDDR5-SDRAM 512 GB SSD NVIDIA RTX A1000 Wi-Fi 6E (802.11ax) Windows 11 Pro Grey

Brand : DELL

Product family: Precision

Product code: G5DMF

Product name : 5680

- Windows 11 Pro 64-bit
- Intel Core i7-13800H (24MB Cache)
- 40.6 cm (16") Full HD+ 1920 x 1200 WLED, NVIDIA RTX A1000 (4GB GDDR6)
- 32GB LPDDR5-SDRAM & 512GB SSD

Intel Core i7-13800H (24MB Cache), 32GB LPDDR5-SDRAM, 512GB SSD, 40.6 cm (16") Full HD+ 1920 x 1200 WLED, Intel Iris Xe Graphics, NVIDIA RTX A1000 (4GB GDDR6), WLAN, Webcam, Windows 11 Pro 64-bit

DELL Precision 5680 Intel® Core™ i7 i7-13800H Mobile workstation 40.6 cm (16") Full HD+ 32 GB LPDDR5-SDRAM 512 GB 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		Camera	
Colour name	Titan Gray	Front camera resolution (numeric)	0.9 MP
Product type *	Mobile workstation	Front camera resolution	1920 x 1080 pixels
Product colour *	Grey	Front camera HD type	Full HD
Form factor *	Clamshell	Video capturing speed	30 fps
Housing material	Aluminium	Infrared (IR) camera	✓
Market positioning	Business	Network	
Display		Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Display diagonal *	40.6 cm (16")	Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax)
Display resolution *	1920 x 1200 pixels	Mobile network connection *	✗
Touchscreen *	✗	Wi-Fi data rate (max)	2400 Mbit/s
HD type	Full HD+	Antenna type	2x2
Panel type	WLED	WLAN controller model	Intel Wi-Fi 6E AX211
LED backlight	✓	WLAN controller manufacturer	Intel
Native aspect ratio	16:10	Ethernet LAN	✗
Anti-glare screen	✓	Bluetooth	✓
Display brightness	500 cd/m²	Ports & interfaces	
Pixel density	142 ppi	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
RGB colour space	DCI-P3	HDMI ports quantity *	1
Colour gamut	100%	HDMI version	2.0b
Maximum refresh rate	60 Hz	Thunderbolt 4 ports quantity	2
Contrast ratio (typical)	1300:1	Intel® Thunderbolt 4	✓
Processor		Combo headphone/mic port	✓
Processor manufacturer *	Intel	Charging port type	USB Type-C
Processor family *	Intel® Core™ i7	USB Type-C DisplayPort Alternate Mode	✓
Processor generation	13th gen Intel® Core™ i7		
Processor model *	i7-13800H		
Processor cores	14		
Processor boost frequency	5.2 GHz		

Processor		Performance	
Performance cores	6	Accelerometer	✓
Efficient cores	8	Keyboard	
Performance-core Max Turbo Frequency	5.2 GHz	Pointing device	Trackpad
Efficient-core Max Turbo Frequency	4 GHz	Numeric keypad *	✗
Processor cache	24 MB	Keyboard backlit	✓
Processor cache type	Smart Cache	Software	
Configurable TDP-down	35 W	Operating system architecture	64-bit
Processor base power	45 W	Operating system installed *	Windows 11 Pro
Maximum turbo power	115 W	Processor special features	
Memory		CPU configuration (max)	1
Internal memory *	32 GB	Battery	
Internal memory type	LPDDR5-SDRAM	Battery technology	Lithium-Ion (Li-Ion)
Memory form factor	On-board	Battery recharge time	3 h
Maximum internal memory *	32 GB	Fast charging	✓
Storage		Power	
Total storage capacity *	512 GB	AC adapter frequency	50/60 Hz
Storage media *	SSD	AC adapter input voltage	100 - 240 V
Total SSDs capacity	512 GB	USB charging voltage	20,5,9,15 V
Number of SSDs installed	1	Security	
SSD capacity	512 GB	Cable lock slot	✓
SSD interface	PCI Express 4.0	Cable lock slot type	Wedge
NVMe	✓	Trusted Platform Module (TPM)	✓
SSD form factor	M.2	Trusted Platform Module (TPM) version	2.0
Optical drive type *	✗	Operational conditions	
Card reader integrated	✓	Operating temperature (T-T)	0 - 35 °C
Compatible memory cards	MicroSD (TransFlash), MicroSDHC, MicroSDXC	Storage temperature (T-T)	-40 - 65 °C
Graphics		Operating relative humidity (H-H)	10 - 90%
Discrete graphics card model *	NVIDIA RTX A1000	Storage relative humidity (H-H)	0 - 95%
Discrete graphics card memory	4 GB	Operating altitude	-15.2 - 3048 m
Discrete graphics memory type	GDDR6	Non-operating altitude	-15.2 - 10668 m
On-board graphics card *	✓	Operating shock	110 G
On-board GPU manufacturer	Intel	Non-operating shock	160 G
Discrete graphics card *	✓	Operating vibration	0.66 G
On-board graphics card family	Intel Iris Xe Graphics	Non-operating vibration	1.3 G
On-board graphics card model *	Intel Iris Xe Graphics	Sustainability	
Audio		Sustainability certificates	ENERGY STAR, EPEAT Gold
Audio chip	Realtek ALC711-VD	Weight & dimensions	
Number of built-in speakers	4	Width	353.7 mm
Speaker power	8 W	Depth	240.3 mm
Built-in microphone	✓	Height (front)	2.62 cm
Number of microphones	2	Height (rear)	2.62 cm
Camera		Weight *	1.91 kg
Front camera	✓	Packaging content	
		Cables included	AC

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