



DELL Precision 5680 Intel® Core™ i7 i7-13700H Workstation mobile 40,6 cm (16") Full HD+ 32 GB LPDDR5-SDRAM 1 TB SSD NVIDIA RTX A1000 Wi-Fi 6E (802.11ax) Windows 11 Pro Grigio

Marchio : DELL

Famiglia del prodotto:
Precision

Codice prodotto: CNM7T

Nome del prodotto : 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 (Not available) & 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

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Workstation premium da 16 pollici per gli utenti che desiderano prestazioni elevate e ampio display in uno chassis sottile e leggero. Dotata di fotocamera FHD-IR, trackpad tattile e 4 altoparlanti di "livello A".



Design		Network	
Colour name	Titan Gray	WLAN controller model	Intel Wi-Fi 6E AX211
Product type *	Mobile workstation	WLAN controller manufacturer	Intel
Product colour *	Grey	Ethernet LAN	✗
Form factor *	Clamshell	Bluetooth	✓
Housing material	Aluminium	Ports & interfaces	
Market positioning	Business	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Display		HDMI ports quantity *	1
Display diagonal *	40.6 cm (16")	HDMI version	2.0b
Display resolution *	1920 x 1200 pixels	Thunderbolt 4 ports quantity	2
Touchscreen *	✗	Intel® Thunderbolt 4	✓
HD type	Full HD+	Combo headphone/mic port	✓
Panel type	WLED	USB Type-C DisplayPort Alternate Mode	✓
LED backlight	✓	Performance	
Native aspect ratio	16:10	Accelerometer	✓
Anti-glare screen	✓	Keyboard	
Display brightness	500 cd/m²	Pointing device	Trackpad
Pixel density	142 ppi	Keyboard language	Italian
RGB colour space	DCI-P3	Numeric keypad *	✗
Colour gamut	100%	Keyboard backlit	✓
Maximum refresh rate	60 Hz	Keyboard number of keys	80
Contrast ratio (typical)	1300:1	Software	
Processor		Operating system architecture	64-bit
Processor manufacturer *	Intel	Operating system language	Multilingual
Processor family *	Intel® Core™ i7	Trial software	No Microsoft Office License Included 30 day Trial Offer Only
Processor generation	13th gen Intel® Core™ i7		
Processor model *	i7-13700H		
Processor cores	14		
Processor boost frequency	5 GHz		

Processor		Software	
Performance-core boost frequency	5 GHz	Operating system installed *	Windows 11 Pro
Efficient-core boost frequency	3.7 GHz	Processor special features	
Processor cache	24 MB	CPU configuration (max)	1
Processor cache type	Smart Cache	Battery	
Configurable TDP-down	35 W	Battery technology	Lithium-Ion (Li-Ion)
Number of processors supported	1	Number of battery cells	6
Memory		Battery capacity *	99.5 Wh
Internal memory *	32 GB	Battery voltage	11.55 V
Internal memory type	LPDDR5-SDRAM	Battery recharge time	3 h
Memory clock speed	6000 MHz	Fast charging	✓
Memory form factor	On-board	Battery weight	363 g
Memory layout (slots x size)	Not available	Power	
Memory slots	Not available	AC adapter power	165 W
Maximum internal memory *	32 GB	AC adapter frequency	50/60 Hz
Memory channels	Not available	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	Fingerprint reader	✗
SSD interface	PCI Express 4.0	Trusted Platform Module (TPM)	✓
NVMe	✓	Trusted Platform Module (TPM) version	2.0
SSD form factor	M.2	Operational conditions	
SSD performance class	40	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 GPU manufacturer	NVIDIA	Non-operating altitude	-15.2 - 10668 m
Discrete graphics card model *	NVIDIA RTX A1000	Operating shock	110 G
Discrete graphics card memory	6 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	Sustainability	
Discrete graphics card *	✓	Sustainability certificates	ENERGY STAR, EPEAT Gold
On-board graphics card model *	Intel Iris Xe Graphics	Weight & dimensions	
Maximum on-board graphics card resolution	7680 x 4320 pixels	Width	353.7 mm
Maximum discrete graphics card resolution	3840 x 2160 pixels	Depth	240.3 mm
Audio		Height	26.2 mm
Audio chip	Realtek ALC711-VD	Height (front)	2.62 cm
Number of built-in speakers	4	Height (rear)	2.62 cm
Speaker power	8 W	Weight *	1.91 kg
Built-in microphone	✓	Carbon footprint	
Number of microphones	2	Total carbon footprint (kg of CO2e)	475
Camera		Total carbon emissions, standard deviation (kg of CO2e)	92
Front camera	✓	Carbon emissions, manufacturing (kg of CO2e)	398
Front camera resolution (numeric)	0.9 MP	Carbon emissions, logistics (kg of CO2e)	25
Front camera resolution	1920 x 1080 pixels	Carbon emissions, energy usage (kg of CO2e)	49
Front camera HD type	Full HD	Carbon emissions, end-of-life (kg of CO2e)	3
Video capturing speed	30 fps	Total carbon emissions, w/o use phase (kg of CO2e)	426
Infrared (IR) camera	✓		
Network			
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)		

Network		Carbon footprint	
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax)	PAIA version	1.3.2
Mobile network connection *	✗	Packaging content	
Wi-Fi data rate (max)	2400 Mbit/s	Mouse included on selected markets only	✗
Antenna type	2x2	Cables included	AC



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