



DELL Precision 3581 Mobile workstation 39.6 cm (15.6") Full HD Intel® Core™ i7 i7-13700H 16 GB DDR5-SDRAM 512 GB SSD NVIDIA RTX A1000 Wi-Fi 6E (802.11ax) Windows 11 Pro Grey

Brand : DELL

Product family: Precision

Product code: C7M98

Product name : 3581

- Windows 11 Pro 64-bit
- Intel Core i7-13700H (24MB Cache)
- 39.6 cm (15.6") Full HD 1920 x 1080 IPS, NVIDIA RTX A1000 (6GB GDDR6)
- 16GB DDR5-SDRAM (1 x 16) & 512GB SSD

Intel Core i7-13700H (24MB Cache), 16GB DDR5-SDRAM, 512GB SSD, 39.6 cm (15.6") Full HD 1920 x 1080 IPS, Intel Iris Xe Graphics, NVIDIA RTX A1000 (6GB GDDR6), LAN, WLAN, Webcam, Windows 11 Pro 64-bit

[DELL Precision 3581 Mobile workstation 39.6 cm \(15.6"\) Full HD Intel® Core™ i7 i7-13700H 16 GB DDR5-SDRAM 512 GB SSD NVIDIA RTX A1000 Wi-Fi 6E \(802.11ax\) Windows 11 Pro Grey:](#)

Great for 2D CAD, Design and Creative Applications

Intelligently optimised and high-performing, the 3581 is a powerful entry-level mobile workstation.



Design		Camera	
Product type *	Mobile workstation	Infrared (IR) camera	✓
Product colour *	Grey	Privacy camera	✓
Form factor *	Clamshell	Privacy type	Privacy shutter
Market positioning	Business	Network	
Display		Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Display diagonal *	39.6 cm (15.6")	Wi-Fi standards	Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax)
Display resolution *	1920 x 1080 pixels	Mobile network connection *	✗
Touchscreen *	✗	Antenna type	2x2
HD type	Full HD	WLAN controller model	Intel Wi-Fi 6E AX211
Panel type	IPS	WLAN controller manufacturer	Intel
LED backlight	✓	Ethernet LAN	✓
Native aspect ratio	16:9	Ethernet LAN data rates	10,100,1000 Mbit/s
Anti-glare screen	✓	Bluetooth	✓
Display brightness	400 cd/m ²	Ports & interfaces	
Pixel density	141 ppi	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
RGB colour space	sRGB	Ethernet LAN (RJ-45) ports	1
Colour gamut	100%	HDMI ports quantity *	1
Maximum refresh rate	60 Hz	HDMI version	2.0
Contrast ratio (typical)	800:1	Thunderbolt 4 ports quantity	2
Processor		Intel® Thunderbolt 4	✓
Processor manufacturer *	Intel	Combo headphone/mic port	✓
Processor generation	13th gen Intel® Core™ i7	Charging port type	USB Type-C
Processor family *	Intel® Core™ i7	USB Type-C DisplayPort Alternate Mode	✓
Processor model *	i7-13700H	USB Power Delivery	✓
Processor boost frequency	5 GHz	PowerShare	✓
Efficient-core Max Turbo Frequency	3.7 GHz		
Performance-core Max Turbo Frequency	5 GHz		

Processor		Ports & interfaces	
Processor cores	14	Number of USB ports with PowerShare support	1
Processor cache	24 MB	Keyboard	
Processor cache type	Smart Cache	Pointing device	Touchpad
Processor base power	45 W	Keyboard language	UK English
Maximum turbo power	115 W	Numeric keypad *	✓
Performance cores	6	Keyboard backlit	✓
Efficient cores	8	Keyboard number of keys	100
Memory		Software	
Internal memory *	16 GB	Operating system architecture	64-bit
Internal memory type	DDR5-SDRAM	Operating system language	German, Dutch, English, French, Italian
Memory form factor	SO-DIMM	Trial software	No Microsoft Office License Included 30 day Trial Offer Only
Memory layout (slots x size)	1 x 16 GB	Operating system installed *	Windows 11 Pro
Memory slots	2x SO-DIMM	Battery	
Maximum internal memory *	64 GB	Battery technology	Lithium-Ion (Li-Ion)
Memory data transfer rate	4800 MT/s	Number of battery cells	4
Non-ECC	✓	Battery capacity *	64 Wh
Storage		Battery voltage	15.2 V
Total storage capacity *	512 GB	Battery recharge time	3 h
Storage media *	SSD	Fast charging	✓
Total SSDs capacity	512 GB	Battery weight	280 g
Number of SSDs installed	1	Power	
SSD capacity	512 GB	AC adapter power	130 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	35	Security	
Optical drive type *	✗	Cable lock slot	✓
Card reader integrated	✗	Cable lock slot type	Wedge
Graphics		Smart card reader	✓
Discrete graphics card model *	NVIDIA RTX A1000	Trusted Platform Module (TPM)	✓
On-board graphics card *	✓	Trusted Platform Module (TPM) version	2.0
Discrete graphics card *	✓	Operational conditions	
On-board graphics card family	Intel Iris Xe Graphics	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%
Audio		Operating altitude	-15.2 - 3048 m
Audio system	MaxxAudio	Non-operating altitude	-15.2 - 10668 m
Number of built-in speakers	2	Operating shock	110 G
Speakers manufacturer	Waves	Non-operating shock	160 G
Speaker power	2 W	Operating vibration	0.66 G
Built-in microphone	✓	Non-operating vibration	1.3 G
Number of microphones	2	Weight & dimensions	
Camera		Width	357.8 mm
Front camera	✓	Depth	233.3 mm
Front camera resolution (numeric)	2.07 MP	Height (front)	2.27 cm
Front camera resolution	1920 x 1080 pixels	Height (rear)	2.47 cm
Front camera HD type	Full HD	Weight *	1.79 kg
Video capturing speed	30 fps	Packaging content	
		Cables included	AC



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Publication date: 09-DEC-2023. Prints or copies of Information are only valid on the printed Publication date