



DELL Precision 3581 Mobile workstation 39.6 cm (15.6") Full HD Intel® Core™ i7 i7-13800H 32 GB DDR5-SDRAM 512 GB SSD NVIDIA RTX 2000 Ada Wi-Fi 6E (802.11ax) Windows 11 Pro Grey

Brand : DELL

Product family: Precision

Product code: CRM94

Product name : 3581

- Windows 11 Pro 64-bit
- Intel Core i7-13800H (24MB Cache)
- 39.6 cm (15.6") Full HD 1920 x 1080 IPS, RTX 2000 Ada (8GB GDDR6)
- 32GB DDR5-SDRAM (2 x 16) & 512GB SSD

Intel Core i7-13800H (24MB Cache), 32GB DDR5-SDRAM, 512GB SSD, 39.6 cm (15.6") Full HD 1920 x 1080 IPS, Intel Iris Xe Graphics, RTX 2000 Ada (8GB GDDR6), LAN, WLAN, Webcam, Windows 11 Pro 64-bit

[DELL Precision 3581 Mobile workstation 39.6 cm \(15.6"\) Full HD Intel® Core™ i7 i7-13800H 32 GB DDR5-SDRAM 512 GB SSD NVIDIA RTX 2000 Ada 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		Network	
Product type *	Mobile workstation	Mobile network connection *	✗
Product colour *	Grey	Antenna type	2x2
Form factor *	Clamshell	WLAN controller model	Intel Wi-Fi 6E AX211
Market positioning	Business	WLAN controller manufacturer	Intel
Display		Ethernet LAN	✓
Display diagonal *	39.6 cm (15.6")	Ethernet LAN data rates	10,100,1000 Mbit/s
Display resolution *	1920 x 1080 pixels	Bluetooth	✓
Touchscreen *	✗	Ports & interfaces	
HD type	Full HD	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Panel type	IPS	Ethernet LAN (RJ-45) ports	1
LED backlight	✓	HDMI ports quantity *	1
Native aspect ratio	16:9	HDMI version	2.0
Anti-glare screen	✓	Thunderbolt 4 ports quantity	2
Display brightness	400 cd/m ²	Intel® Thunderbolt 4	✓
Pixel density	141 ppi	Combo headphone/mic port	✓
RGB colour space	sRGB	Charging port type	USB Type-C
Colour gamut	100%	USB Type-C DisplayPort Alternate Mode	✓
Maximum refresh rate	60 Hz	USB Power Delivery	✓
Contrast ratio (typical)	800:1	PowerShare	✓
Processor		Number of USB ports with PowerShare support	1
Processor manufacturer *	Intel	Keyboard	
Processor generation	13th gen Intel® Core™ i7	Pointing device	Touchpad
Processor family *	Intel® Core™ i7	Keyboard language	UK English
Processor model *	i7-13800H	Numeric keypad *	✓
Processor boost frequency	5.2 GHz	Keyboard backlight	✓
Efficient-core Max Turbo Frequency	4 GHz	Keyboard number of keys	100
Performance-core Max Turbo Frequency	5.2 GHz		

Processor		Software	
Processor cores	14	Operating system architecture	64-bit
Performance cores	6	Operating system language	Danish, Dutch, English, French, Italian
Efficient cores	8	Trial software	No Microsoft Office License Included 30 day Trial Offer Only
Processor cache	24 MB	Operating system installed *	Windows 11 Pro
Processor cache type	Smart Cache	Battery	
Processor base power	45 W	Battery technology	Lithium-Ion (Li-Ion)
Maximum turbo power	115 W	Number of battery cells	4
Memory		Battery capacity *	64 Wh
Internal memory *	32 GB	Battery voltage	15.2 V
Internal memory type	DDR5-SDRAM	Battery recharge time	3 h
Memory form factor	SO-DIMM	Fast charging	✓
Memory layout (slots x size)	2 x 16 GB	Battery weight	280 g
Memory slots	2x SO-DIMM	Power	
Maximum internal memory *	64 GB	AC adapter power	130 W
Memory data transfer rate	4800 MT/s	AC adapter frequency	50/60 Hz
Non-ECC	✓	AC adapter input voltage	100 - 240 V
Storage		USB charging voltage	20,5,9,15 V
Total storage capacity *	512 GB	Security	
Storage media *	SSD	Cable lock slot	✓
Total SSDs capacity	512 GB	Cable lock slot type	Wedge
Number of SSDs installed	1	Smart card reader	✓
SSD capacity	512 GB	Trusted Platform Module (TPM)	✓
SSD interface	PCI Express 4.0	Trusted Platform Module (TPM) version	2.0
NVMe	✓	Operational conditions	
SSD form factor	M.2	Operating temperature (T-T)	0 - 35 °C
SSD performance class	35	Storage temperature (T-T)	-40 - 65 °C
Optical drive type *	✗	Operating relative humidity (H-H)	10 - 90%
Card reader integrated	✗	Storage relative humidity (H-H)	0 - 95%
Graphics		Operating altitude	-15.2 - 3048 m
Discrete graphics card model *	NVIDIA RTX 2000 Ada	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	Weight & dimensions	
Discrete graphics card memory	8 GB	Width	357.8 mm
Discrete graphics memory type	GDDR6	Depth	233.3 mm
Audio		Height (front)	2.27 cm
Audio system	MaxxAudio	Height (rear)	2.47 cm
Number of built-in speakers	2	Weight *	1.79 kg
Speakers manufacturer	Waves	Carbon footprint	
Speaker power	2 W	Total carbon footprint	343 kg of CO2e
Built-in microphone	✓	Total carbon emissions (Standard deviation)	70 kg of CO2e
Number of microphones	2	Carbon emissions (Manufacturing)	294 kg of CO2e
Camera		Carbon emissions (Logistics)	13 kg of CO2e
Front camera	✓	Carbon emissions (Use)	34 kg of CO2e
Front camera resolution (numeric)	2.07 MP	Carbon emissions (End-of-Life)	2 kg of CO2e
Front camera resolution	1920 x 1080 pixels	Total carbon emissions (w/o Use phase)	309 kg of CO2e
Front camera HD type	Full HD	PAIA version	1.3.2
Video capturing speed	30 fps	Packaging content	
Infrared (IR) camera	✓	Cables included	AC
Privacy camera	✓		
Privacy type	Privacy shutter		
Network			
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)		
Wi-Fi standards	Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax)		



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