



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

Brand : DELL

Product family: Precision

Product code: 8D7RP

Product name : 3581



DELL Precision 3581. Product type: Mobile workstation, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-13800H. Display diagonal: 39.6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 32 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel Iris Xe Graphics, Discrete graphics card model: NVIDIA RTX 2000 Ada. Operating system installed: Windows 11 Pro. Product colour: Grey



Design		Network	
Product type *	Mobile workstation	Antenna type	2x2
Product colour *	Grey	WLAN controller model	Intel Wi-Fi 6E AX211
Form factor *	Clamshell	WLAN controller manufacturer	Intel
Market positioning	Business	Ethernet LAN	✓
Display		Ethernet LAN data rates	10,100,1000 Mbit/s
Display diagonal *	39.6 cm (15.6")	Bluetooth	✓
Display resolution *	1920 x 1080 pixels	Ports & interfaces	
Touchscreen *	✗	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
HD type	Full HD	Ethernet LAN (RJ-45) ports	1
Panel type	IPS	HDMI ports quantity *	1
LED backlight	✓	HDMI version	2.0
Native aspect ratio	16:9	Thunderbolt 4 ports quantity	2
Anti-glare screen	✓	Intel® Thunderbolt 4	✓
Display brightness	400 cd/m ²	Combo headphone/mic port	✓
Pixel density	141 ppi	USB Type-C DisplayPort Alternate Mode	✓
RGB colour space	sRGB	PowerShare	✓
Colour gamut	100%	Number of USB ports with PowerShare support	1
Maximum refresh rate	60 Hz	Keyboard	
Contrast ratio (typical)	800:1	Pointing device	Touchpad
Processor		Numeric keypad *	✓
Processor manufacturer *	Intel	Keyboard backlight	✓
Processor family *	Intel® Core™ i7	Keyboard language	US International
Processor generation	13th gen Intel® Core™ i7	Software	
Processor model *	i7-13800H	Operating system architecture	64-bit
Processor cores	14		
Processor boost frequency	5.2 GHz		
Performance cores	6		
Efficient cores	8		

Processor		Software	
Performance-core Max Turbo Frequency	5.2 GHz	Operating system language	German, Dutch, English, French, Italian
Efficient-core Max Turbo Frequency	4 GHz	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 Type-C charging port *	✓
Total storage capacity *	512 GB	USB Power Delivery (USB PD)	✓
Storage media *	SSD	USB charging voltage	20,5,9,15 V
Total SSDs capacity	512 GB	Security	
Number of SSDs installed	1	Cable lock slot	✓
SSD capacity	512 GB	Cable lock slot type	Wedge
SSD interface	PCI Express 4.0	Smart card reader	✓
NVMe	✓	Trusted Platform Module (TPM)	✓
SSD form factor	M.2	Trusted Platform Module (TPM) version	2.0
SSD performance class	35	Operational conditions	
Optical drive type *	✗	Operating temperature (T-T)	0 - 35 °C
Card reader integrated	✗	Storage temperature (T-T)	-40 - 65 °C
Graphics		Operating relative humidity (H-H)	10 - 90%
Discrete graphics card model *	NVIDIA RTX 2000 Ada	Storage relative humidity (H-H)	0 - 95%
Discrete graphics card memory	8 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	Weight & dimensions	
Audio		Width	357.8 mm
Audio system	MaxxAudio	Depth	233.3 mm
Number of built-in speakers	2	Height (front)	2.27 cm
Speakers manufacturer	Waves	Height (rear)	2.47 cm
Speaker power	2 W	Weight *	1.79 kg
Built-in microphone	✓	Carbon footprint	
Number of microphones	2	Total carbon footprint (kg of CO2e)	343
Camera		Total carbon emissions, standard deviation (kg of CO2e)	70
Front camera	✓	Carbon emissions, manufacturing (kg of CO2e)	294
Front camera resolution (numeric)	2.07 MP	Carbon emissions, logistics (kg of CO2e)	13
Front camera resolution	1920 x 1080 pixels	Carbon emissions, energy usage (kg of CO2e)	34
Front camera HD type	Full HD	Carbon emissions, end-of-life (kg of CO2e)	2
Video capturing speed	30 fps	Total carbon emissions, w/o use phase (kg of CO2e)	309
Infrared (IR) camera	✓	PAIA version	1.3.2
Privacy camera	✓		
Privacy type	Privacy shutter		
Network			
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)		

Network		Packaging content	
Wi-Fi standards	Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax)	Cables included	AC
Mobile network connection *	✘		



5397184849675

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.

Publication date: 04-APR-2025. Prints or copies of Information are only valid on the printed Publication date