

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

Brand : DELL

Product family: Precision

Product code: CJ31N

Product name : 3581

DELL Precision 3581. Product type: Mobile workstation, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-13700H. Display diagonal: 39.6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 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 A1000. Operating system installed: Windows 11 Pro. Product colour: Grey





Design		Network	
Product type * Product colour * Form factor * Market positioning Intel® vPro [™] Platform Eligibility	Mobile workstation Grey Clamshell Business ✓	WLAN controller model WLAN controller manufacturer Ethernet LAN Ethernet LAN data rates Bluetooth	Intel Wi-Fi 6E AX211 Intel ✓ 10,100,1000 Mbit/s ✓
Display		WWAN	Upgradable
Display diagonal * Display resolution * Touchscreen *	39.6 cm (15.6") 1920 x 1080 pixels ×	Ports & interfaces USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * Ethernet LAN (RJ-45) ports	2
HD typeFull HDPanel typeIPSLED backlight✓Native aspect ratio16:9Anti-glare screen✓Display brightness400 cd/m²Pixel density141 ppiRGB colour spacesRGB	HDMI ports quantity * HDMI version Thunderbolt 4 ports quantity Intel® Thunderbolt 4 Combo headphone/mic port USB Type-C DisplayPort Alternate Mode PowerShare	1 2.0 2 V	
Colour gamut Maximum refresh rate Contrast ratio (typical)	aximum refresh rate 60 Hz	Number of USB ports with PowerShare support	1
Processor		Pointing device	Touchpad
Processor manufacturer * Processor family * Processor generation Processor model * Processor cores Processor threads	Intel Intel® Core™ i7 13th gen Intel® Core™ i7 i7-13700H 14 20	Numeric keypad * Keyboard backlit Keyboard number of keys Keyboard language	✓ ✓ 100 Belgian

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Processor		Software	
Processor boost frequency	5 GHz	Operating system architecture	64-bit
Performance cores	6	Operating system language	Multilingual
Efficient cores	8	Trial software	No Microsoft Office License Included 30 day Trial Offer Only
Performance-core Max Turbo Frequency	5 GHz	Operating system installed *	Windows 11 Pro
Efficient-core Max Turbo Frequency	3.7 GHz	Bundled software	Windows System Driver
Processor cache	24 MB	Processor special features	-
Processor cache type	Smart Cache		1
Configurable TDP-down	35 W	CPU configuration (max)	1
Processor base power	45 W	Battery	
Maximum turbo power	115 W	Battery technology	Lithium-Ion (Li-Ion)
Memory		Number of battery cells	4
Internal memory *	16 GB	Battery capacity *	64 Wh
Internal memory type	DDR5-SDRAM	Battery voltage	15.2 V
Memory clock speed	4800 MHz	Battery recharge time	3 h
Memory form factor	SO-DIMM	Fast charging	
Memory layout (slots x size)	1 x 16 GB	Battery weight	280 g
Memory slots	2x SO-DIMM	Power	
Maximum internal memory *	64 GB	AC adapter power	130 W
Storage		AC adapter frequency	50/60 Hz
Total storage capacity *	512 GB	AC adapter input voltage	100 - 240 V
Storage media *	SSD	USB Type-C charging port *	J
Total SSDs capacity	512 GB	USB Power Delivery (USB PD)	1
Number of SSDs installed	1	USB charging voltage	20,5 V
SSD capacity	512 GB	USB charging current	6.5 A
SSD interface	PCI Express 4.0	Security	
NVMe	1	Cable lock slot	1
SSD form factor	M.2	Cable lock slot type	Wedge
SSD performance class	35	Smart card reader	 Image: A set of the set of the
Optical drive type *	×	Trusted Platform Module (TPM)	1
Card reader integrated	×	Trusted Platform Module (TPM)	2.0
Graphics		version	2.0
Discrete GPU manufacturer	NVIDIA	Operational conditions	
Discrete graphics card model *	NVIDIA RTX A1000	Operating temperature (T-T)	0 - 35 °C
Discrete graphics card memory	6 GB	Storage temperature (T-T)	-40 - 65 °C
Discrete graphics memory type	GDDR6	Operating relative humidity (H-H)	10 - 90%
On-board graphics card *	1	Storage relative humidity (H-H)	0 - 95%
On-board GPU manufacturer	Intel	Operating altitude	-15.2 - 3048 m
Discrete graphics card *	1	Non-operating altitude	-15.2 - 10668 m
On-board graphics card family	Intel Iris Xe Graphics	Operating shock	110 G
On-board graphics card model *	Intel Iris Xe Graphics	Non-operating shock	160 G
Audio		Operating vibration Non-operating vibration	0.66 G 1.3 G
Audio system	MaxxAudio		1.5 0
Number of built-in speakers	2	Weight & dimensions	
Speakers manufacturer	Waves	Width	357.8 mm
Speaker power	2 W	Depth	233.3 mm
Built-in microphone	1	Height (front)	2.27 cm
Number of microphones	2	Height (rear)	2.47 cm
Camera		Weight *	1.79 kg
Front camera	1	Carbon footprint	
Front camera resolution (numeric)	2.07 MP	Total carbon footprint (kg of CO2e)	343
Front camera resolution	1920 x 1080 pixels	Total carbon emissions, standard deviation (kg of CO2e)	70
Front camera HD type	Full HD	Carbon emissions, manufacturing	224
Video capturing speed	30 fps	(kg of CO2e)	294
Infrared (IR) camera	1	Carbon emissions, logistics (kg of	13
Privacy camera	1	CO2e)	
Privacy type	Privacy shutter	Carbon emissions, energy usage (kg of CO2e)	34

Network

Top Wi-Fi standard *

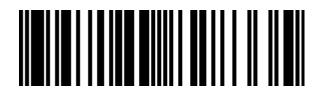
Wi-Fi standards

Mobile network connection * Wi-Fi data rate (max) Antenna type Wi-Fi 6E (802.11ax) 802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax) **X** 2400 Mbit/s 2x2

Carbon footprintCarbon emissions, end-of-life (kg of
CO2e)2Total carbon emissions, w/o use
phase (kg of CO2e)309PAIA version1.3.2Packaging content

AC

Cables included



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