



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 A500 Wi-Fi 6E (802.11ax) Windows 11 Pro Grey

Brand : DELL

Product family: Precision

Product code: 8XPF6

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 A500 (4GB GDDR6)
 - 16GB (4800MHz) 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 A500 (4GB 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 A500 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	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	✓
Intel® vPro™ Platform Eligibility	✓	Ethernet LAN data rates	10,100,1000 Mbit/s
Display		Bluetooth	✓
Display diagonal *	39.6 cm (15.6")	WWAN	Upgradable
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	Charging port type	USB Type-C
RGB colour space	sRGB	USB Type-C DisplayPort Alternate Mode	✓
Colour gamut	100%	USB Power Delivery	✓
Maximum refresh rate	60 Hz	PowerShare	✓
Contrast ratio (typical)	800:1	Number of USB ports with PowerShare support	1
Processor		Keyboard	
Processor manufacturer *	Intel	Pointing device	Touchpad
Processor generation	13th gen Intel® Core™ i7	Keyboard language	UK English
Processor family *	Intel® Core™ i7	Numeric keypad *	✓
Processor model *	i7-13700H	Keyboard backlit	✓
Processor boost frequency	5 GHz	Keyboard number of keys	100
Efficient-core Max Turbo Frequency	3.7 GHz		

Processor		Software	
Performance-core Max Turbo Frequency	5 GHz	Operating system architecture	64-bit
Processor threads	20	Operating system language	Multilingual
Processor cores	14	Trial software	No Microsoft Office License Included 30 day Trial Offer Only
Performance cores	6	Operating system installed *	Windows 11 Pro
Efficient cores	8	Bundled software	Windows System Driver
Processor cache	24 MB	Processor special features	
Processor cache type	Smart Cache	CPU configuration (max)	1
Configurable TDP-down	35 W	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 *	16 GB	Battery voltage	15.2 V
Internal memory type	DDR5-SDRAM	Battery recharge time	3 h
Memory clock speed	4800 MHz	Fast charging	✓
Memory form factor	SO-DIMM	Battery weight	280 g
Memory layout (slots x size)	1 x 16 GB	Power	
Memory slots	2x SO-DIMM	AC adapter power	130 W
Maximum internal memory *	64 GB	AC adapter frequency	50/60 Hz
Storage		AC adapter input voltage	100 - 240 V
Total storage capacity *	512 GB	USB charging voltage	20,5 V
Storage media *	SSD	USB charging current	6.5 A
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 GPU manufacturer	NVIDIA	Storage relative humidity (H-H)	0 - 95%
Discrete graphics card model *	NVIDIA RTX A500	Operating altitude	-15.2 - 3048 m
On-board graphics card *	✓	Non-operating altitude	-15.2 - 10668 m
On-board GPU manufacturer	Intel	Operating shock	110 G
Discrete graphics card *	✓	Non-operating shock	160 G
On-board graphics card model *	Intel Iris Xe Graphics	Operating vibration	0.66 G
Discrete graphics card memory	4 GB	Non-operating vibration	1.3 G
Discrete graphics memory type	GDDR6	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	343 kg of CO2e
Camera		Total carbon emissions (Standard deviation)	70 kg of CO2e
Front camera	✓	Carbon emissions (Manufacturing)	294 kg of CO2e
Front camera resolution (numeric)	2.07 MP	Carbon emissions (Logistics)	13 kg of CO2e
Front camera resolution	1920 x 1080 pixels	Carbon emissions (Use)	34 kg of CO2e
Front camera HD type	Full HD	Carbon emissions (End-of-Life)	2 kg of CO2e
Video capturing speed	30 fps	Total carbon emissions (w/o Use phase)	309 kg of CO2e
Infrared (IR) camera	✓	PAIA version	1.3.2
Privacy camera	✓	Network	
Privacy type	Privacy shutter	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)

Network		Packaging content	
Wi-Fi standards	802.11a, 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 *	✘		
Wi-Fi data rate (max)	2400 Mbit/s		



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