



# DELL Precision 3580 Intel® Core™ i7 i7-1360P Mobile workstation 39.6 cm (15.6") Full HD 16 GB DDR5-SDRAM 512 GB SSD NVIDIA RTX A500 Wi-Fi 6E (802.11ax) Windows 11 Pro US International Grey

Brand : DELL

Product family: Precision

Product code: 93VMC

Product name : 3580



DELL Precision 3580. Product type: Mobile workstation, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-1360P. 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 A500. Operating system installed: Windows 11 Pro. Product colour: Grey



Design		Network	
Product type *	Mobile workstation	Ethernet LAN data rates	10,100,1000 Mbit/s
Product colour *	Grey	Bluetooth	✓
Form factor *	Clamshell	WWAN	Upgradable
Intel® vPro™ Platform Eligibility	✓	MIMO	✓
Display		MIMO type	Multi User MIMO
Display diagonal *	39.6 cm (15.6")	Ports & interfaces	
Display resolution *	1920 x 1080 pixels	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Touchscreen *	✗	Ethernet LAN (RJ-45) ports	1
HD type	Full HD	HDMI ports quantity *	1
Panel type	IPS	HDMI version	2.0
LED backlight	✓	Thunderbolt 4 ports quantity	2
Native aspect ratio	16:9	Intel® Thunderbolt 4	✓
Anti-glare screen	✓	Combo headphone/mic port	✓
Display brightness	400 cd/m <sup>2</sup>	USB Type-C DisplayPort Alternate Mode	✓
Pixel pitch	0.179 x 0.179 mm	PowerShare	✓
Pixel density	141 ppi	Number of USB ports with PowerShare support	1
RGB colour space	sRGB	Keyboard	
Colour gamut	100%	Pointing device	Touchpad
Display response rise/fall	35 ms	Numeric keypad *	✓
Maximum refresh rate	60 Hz	Keyboard backlight	✓
Contrast ratio (typical)	800:1	Keyboard language	US International
Processor		Software	
Processor manufacturer *	Intel	Operating system language	German, Dutch, English, French, Italian
Processor family *	Intel® Core™ i7		
Processor generation	13th gen Intel® Core™ i7		
Processor model *	i7-1360P		
Processor cores	12		

Processor		Software	
Performance-core Max Turbo Frequency	5 GHz	Trial software	No Microsoft Office License Included 30 day Trial Offer Only
Efficient-core Max Turbo Frequency	3.7 GHz	Operating system installed *	Windows 11 Pro
Performance-core boost frequency	5 GHz	<b>Processor special features</b>	
Processor cache	18 MB	Intel Flex Memory Access	✓
Processor cache type	Smart Cache	Intel Trusted Execution Technology	✓
Configurable TDP-down	20 W	Intel VT-x with Extended Page Tables (EPT)	✓
Processor base power	28 W	Execute Disable Bit	✓
Maximum turbo power	64 W	CPU configuration (max)	1
<b>Memory</b>		Embedded options available	✗
Internal memory *	16 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Internal memory type	DDR5-SDRAM	Intel Virtualization Technology (VT-x)	✓
Memory clock speed	4800 MHz	<b>Battery</b>	
Memory form factor	SO-DIMM	Battery technology	Lithium-Ion (Li-Ion)
Memory layout (slots x size)	2 x 8 GB	Number of battery cells	3
Memory slots	2x SO-DIMM	Battery capacity *	54 Wh
Maximum internal memory *	64 GB	Battery voltage	11.4 V
Memory channels	Dual-channel	Battery recharge time	3 h
<b>Storage</b>		Battery weight	220 g
Total storage capacity *	512 GB	<b>Power</b>	
Storage media *	SSD	AC adapter power	130 W
Total SSDs capacity	512 GB	AC adapter frequency	50/60 Hz
Number of SSDs installed	1	AC adapter input voltage	100 - 240 V
SSD capacity	512 GB	USB Type-C charging port *	✓
SSD interface	PCI Express 4.0	USB Power Delivery (USB PD)	✓
NVMe	✓	USB charging voltage	20,5 V
SSD form factor	M.2	USB charging current	6.5 A
SSD performance class	35	<b>Security</b>	
Optical drive type *	✗	Cable lock slot	✓
Card reader integrated	✓	Cable lock slot type	Wedge
Compatible memory cards	MicroSD (TransFlash), MicroSDHC, MicroSDXC	Smart card reader	✓
<b>Graphics</b>		Trusted Platform Module (TPM)	✓
Discrete GPU manufacturer	NVIDIA	Trusted Platform Module (TPM) version	2.0
Discrete graphics card model *	NVIDIA RTX A500	<b>Operational conditions</b>	
Discrete graphics card memory	4 GB	Operating temperature (T-T)	0 - 35 °C
Discrete graphics memory type	GDDR6	Storage temperature (T-T)	-40 - 65 °C
On-board graphics card *	✓	Operating relative humidity (H-H)	10 - 90%
On-board GPU manufacturer	Intel	Storage relative humidity (H-H)	0 - 95%
Discrete graphics card *	✓	Operating altitude	-15.2 - 3048 m
On-board graphics card model *	Intel Iris Xe Graphics	Non-operating altitude	-15.2 - 10668 m
<b>Audio</b>		Operating shock	110 G
Audio system	MaxxAudio	Non-operating shock	160 G
Number of built-in speakers	2	Operating vibration	0.66 G
Speakers manufacturer	Waves	Non-operating vibration	1.3 G
Speaker power	2 W	<b>Weight &amp; dimensions</b>	
Built-in microphone	✓	Width	357.8 mm
Number of microphones	2	Depth	233.3 mm
<b>Camera</b>		Height (front)	2.08 cm
Front camera	✓	Height (rear)	2.28 cm
Front camera resolution (numeric)	2.07 MP	Weight *	1.61 kg
Front camera resolution	1920 x 1080 pixels	<b>Carbon footprint</b>	
Front camera HD type	Full HD	Total carbon footprint (kg of CO2e)	327
Video capturing speed	30 fps		
Infrared (IR) camera	✓		
Privacy camera	✓		
Privacy type	Privacy shutter		

Network		Carbon footprint	
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)	Total carbon emissions, standard deviation (kg of CO2e)	68
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6E (802.11ax)	Carbon emissions, manufacturing (kg of CO2e)	277
Mobile network connection *	✗	Carbon emissions, logistics (kg of CO2e)	12
Wi-Fi data rate (max)	2400 Mbit/s	Carbon emissions, energy usage (kg of CO2e)	36
Antenna type	2x2	Carbon emissions, end-of-life (kg of CO2e)	2
WLAN controller model	Intel Wi-Fi 6E AX211	Total carbon emissions, w/o use phase (kg of CO2e)	291
WLAN controller manufacturer	Intel	PAIA version	1.3.2
Ethernet LAN	✓		



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Publication date: 03-APR-2025. Prints or copies of Information are only valid on the printed Publication date