



**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 Grey**

**Brand :** DELL

**Product family:** Precision

**Product code:** 8RY2X

**Product name :** 3580

- Windows 11 Pro 64-bit
  - Intel Core i7-1360P (18MB Cache)
  - 39.6 cm (15.6") Full HD 1920 x 1080 IPS, NVIDIA RTX A500 (4GB GDDR6)
  - 16GB DDR5-SDRAM (2 x 8) & 512GB SSD
- Intel Core i7-1360P (18MB 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 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 Grey:

**Great for 2D CAD, Design and Creative Applications**

With intelligently optimized performance, the 3580 is a reliable workstation for entry-level design and creative applications.



Design		Network	
Product type *	Mobile workstation	Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax)
Product colour *	Grey	Mobile network connection *	✗
Form factor *	Clamshell	Wi-Fi data rate (max)	2400 Mbit/s
Intel® vPro™ Platform Eligibility	✓	Antenna type	2x2
Display		WLAN controller model	Intel Wi-Fi 6E AX211
Display diagonal *	39.6 cm (15.6")	WLAN controller manufacturer	Intel
Display resolution *	1920 x 1080 pixels	Ethernet LAN	✓
Touchscreen *	✗	Ethernet LAN data rates	10,100,1000 Mbit/s
HD type	Full HD	Bluetooth	✓
Panel type	IPS	MIMO	✓
LED backlight	✓	MIMO type	Multi User MIMO
Native aspect ratio	16:9	Ports & interfaces	
Anti-glare screen	✓	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Display brightness	250 cd/m <sup>2</sup>	Ethernet LAN (RJ-45) ports	1
Pixel pitch	0.179 x 0.179 mm	HDMI ports quantity *	1
Pixel density	141 ppi	HDMI version	2.0
RGB colour space	NTSC	Thunderbolt 4 ports quantity	2
Colour gamut	45%	Intel® Thunderbolt 4	✓
Display response rise/fall	35 ms	Combo headphone/mic port	✓
Maximum refresh rate	60 Hz	Charging port type	USB Type-C
Contrast ratio (typical)	700:1	USB Type-C DisplayPort Alternate Mode	✓
Processor		USB Power Delivery	✓
Processor manufacturer *	Intel	PowerShare	✓
Processor family *	Intel® Core™ i7	Number of USB ports with PowerShare support	1
Processor generation	13th gen Intel® Core™ i7		
Processor model *	i7-1360P		
Processor cores	12		
Processor threads	16		

<b>Processor</b>		<b>Keyboard</b>	
Processor boost frequency	5 GHz	Pointing device	Touchpad
Performance cores	4	Keyboard language	UK English
Efficient cores	8	Numeric keypad *	✓
Performance-core Max Turbo Frequency	5 GHz	Keyboard backlit	✓
Efficient-core Max Turbo Frequency	3.7 GHz	Keyboard number of keys	100
Processor cache	18 MB	<b>Software</b>	
Processor cache type	Smart Cache	Operating system architecture	64-bit
Processor base power	28 W	Operating system language	German, Dutch, English, French, Italian
Maximum turbo power	64 W	Trial software	No Microsoft Office License Included 30 day Trial Offer Only
<b>Memory</b>		Operating system installed *	Windows 11 Pro
Internal memory *	16 GB	Bundled software	Windows System Driver
Internal memory type	DDR5-SDRAM	<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 data transfer rate	5200 MT/s	Battery recharge time	3 h
Non-ECC	✓	Battery weight	220 g
<b>Storage</b>		<b>Power</b>	
Total storage capacity *	512 GB	AC adapter power	130 W
Storage media *	SSD	AC adapter frequency	50/60 Hz
Total SSDs capacity	512 GB	AC adapter input voltage	100 - 240 V
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	<b>Security</b>	
NVMe	✓	Cable lock slot	✓
SSD form factor	M.2	Cable lock slot type	Wedge
SSD performance class	35	Smart card reader	✓
Optical drive type *	✗	Trusted Platform Module (TPM)	✓
Card reader integrated	✓	Trusted Platform Module (TPM) version	2.0
Compatible memory cards	MicroSD (TransFlash), MicroSDHC, MicroSDXC	<b>Operational conditions</b>	
<b>Graphics</b>		Operating temperature (T-T)	0 - 35 °C
Discrete GPU manufacturer	NVIDIA	Storage temperature (T-T)	-40 - 65 °C
Discrete graphics card model *	NVIDIA RTX A500	Operating relative humidity (H-H)	10 - 90%
Discrete graphics card memory	4 GB	Storage relative humidity (H-H)	0 - 95%
Discrete graphics memory type	GDDR6	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 family	Intel Iris Xe Graphics	Operating vibration	0.66 G
On-board graphics card model *	Intel Iris Xe Graphics	Non-operating vibration	1.3 G
<b>Audio</b>		<b>Weight &amp; dimensions</b>	
Audio system	MaxxAudio	Width	357.8 mm
Number of built-in speakers	2	Depth	233.3 mm
Speakers manufacturer	Waves	Height (front)	2.08 cm
Speaker power	2 W	Height (rear)	2.28 cm
Built-in microphone	✓	Weight *	1.61 kg
Number of microphones	2	<b>Carbon footprint</b>	
<b>Camera</b>		Total carbon footprint	327 kg of CO2e
Front camera	✓	Total carbon emissions (Standard deviation)	68 kg of CO2e
Front camera resolution (numeric)	2.07 MP	Carbon emissions (Manufacturing)	277 kg of CO2e
Front camera resolution	1920 x 1080 pixels	Carbon emissions (Logistics)	12 kg of CO2e
Front camera HD type	Full HD	Carbon emissions (Use)	36 kg of CO2e
Video capturing speed	30 fps	Carbon emissions (End-of-Life)	2 kg of CO2e
Privacy camera	✓		
Privacy type	Privacy shutter		

Network		Carbon footprint	
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)	Total carbon emissions (w/o Use phase)	291 kg of CO2e
		PAIA version	1.3.2



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