



**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: RC86K

Product name : 3580

- Windows 11 Pro
 - Intel Core i7-1360P (18MB Cache)
 - 39.6 cm (15.6") Full HD 1920 x 1080 IPS, NVIDIA RTX A500 (4GB GDDR6)
 - 16GB (4800MHz) 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

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	Ethernet LAN data rates	10,100,1000 Mbit/s
Product colour *	Grey	Bluetooth	✓
Form factor *	Clamshell	MIMO	✓
Intel® vPro™ Platform Eligibility	✓	MIMO type	Multi User MIMO
Display		Ports & interfaces	
Display diagonal *	39.6 cm (15.6")	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Display resolution *	1920 x 1080 pixels	Ethernet LAN (RJ-45) ports	1
Touchscreen *	✗	HDMI ports quantity *	1
HD type	Full HD	HDMI version	2.0
Panel type	IPS	Thunderbolt 4 ports quantity	2
LED backlight	✓	Intel® Thunderbolt 4	✓
Native aspect ratio	16:9	Combo headphone/mic port	✓
Anti-glare screen	✓	Charging port type	USB Type-C
Display brightness	250 cd/m ²	USB Type-C DisplayPort Alternate Mode	✓
Pixel pitch	0.179 x 0.179 mm	USB Power Delivery	✓
Pixel density	141 ppi	PowerShare	✓
RGB colour space	NTSC	Number of USB ports with PowerShare support	1
Colour gamut	45%	Keyboard	
Display response rise/fall	35 ms	Pointing device	Touchpad
Maximum refresh rate	60 Hz	Keyboard language	UK English
Contrast ratio (typical)	700:1	Numeric keypad *	✓
Processor		Keyboard backlit	✓
Processor manufacturer *	Intel	Software	
Processor family *	Intel® Core™ i7	Operating system language	German, Dutch, English, French, Italian
Processor generation	13th gen Intel® Core™ i7		
Processor model *	i7-1360P		
Processor cores	12		
Processor boost frequency	5 GHz		

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
Processor cache	18 MB	Processor special features	
Processor cache type	Smart Cache	Intel Flex Memory Access	✓
Configurable TDP-down	20 W	Intel Trusted Execution Technology	✓
Processor base power	28 W	Intel VT-x with Extended Page Tables (EPT)	✓
Maximum turbo power	64 W	Execute Disable Bit	✓
Memory		CPU configuration (max)	1
Internal memory *	16 GB	Embedded options available	✗
Internal memory type	DDR5-SDRAM	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory clock speed	4800 MHz	Intel Virtualization Technology (VT-x)	✓
Memory form factor	SO-DIMM	Battery	
Memory layout (slots x size)	2 x 8 GB	Battery technology	Lithium-Ion (Li-Ion)
Memory slots	2x SO-DIMM	Number of battery cells	3
Maximum internal memory *	64 GB	Battery capacity *	54 Wh
Memory channels	Dual-channel	Battery voltage	11.4 V
Storage		Battery recharge time	3 h
Total storage capacity *	512 GB	Battery weight	220 g
Storage media *	SSD	Power	
Total SSDs capacity	512 GB	AC adapter power	130 W
Number of SSDs installed	1	AC adapter frequency	50/60 Hz
SSD capacity	512 GB	AC adapter input voltage	100 - 240 V
SSD interface	PCI Express 4.0	USB charging voltage	20,5 V
NVMe	✓	USB charging current	6.5 A
SSD form factor	M.2	Security	
SSD performance class	35	Cable lock slot	✓
Optical drive type *	✗	Cable lock slot type	Wedge
Card reader integrated	✓	Smart card reader	✓
Compatible memory cards	MicroSD (TransFlash), MicroSDHC, MicroSDXC	Trusted Platform Module (TPM)	✓
Graphics		Trusted Platform Module (TPM) version	2.0
Discrete GPU manufacturer	NVIDIA	Operational conditions	
Discrete graphics card model *	NVIDIA RTX A500	Operating temperature (T-T)	0 - 35 °C
Discrete graphics card memory	4 GB	Storage temperature (T-T)	-40 - 65 °C
Discrete graphics memory type	GDDR6	Operating relative humidity (H-H)	10 - 90%
On-board graphics card *	✓	Storage relative humidity (H-H)	0 - 95%
On-board GPU manufacturer	Intel	Operating altitude	-15.2 - 3048 m
Discrete graphics card *	✓	Non-operating altitude	-15.2 - 10668 m
On-board graphics card model *	Intel Iris Xe Graphics	Operating shock	110 G
Audio		Non-operating shock	160 G
Audio system	MaxxAudio	Operating vibration	0.66 G
Number of built-in speakers	2	Non-operating vibration	1.3 G
Speakers manufacturer	Waves	Weight & dimensions	
Speaker power	2 W	Width	357.8 mm
Built-in microphone	✓	Depth	233.3 mm
Number of microphones	2	Height (front)	2.08 cm
Camera		Height (rear)	2.28 cm
Front camera	✓	Weight *	1.61 kg
Front camera resolution (numeric)	2.07 MP	Carbon footprint	
Front camera resolution	1920 x 1080 pixels	Total carbon footprint	327 kg of CO2e
Front camera HD type	Full HD	Total carbon emissions (Standard deviation)	68 kg of CO2e
Video capturing speed	30 fps	Carbon emissions (Manufacturing)	277 kg of CO2e
Network		Carbon emissions (Logistics)	12 kg of CO2e
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)	Carbon emissions (Use)	36 kg of CO2e
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6E (802.11ax)		
Mobile network connection *	✗		

Network		Carbon footprint	
Wi-Fi data rate (max)	2400 Mbit/s	Carbon emissions (End-of-Life)	2 kg of CO2e
Antenna type	2x2	Total carbon emissions (w/o Use phase)	291 kg of CO2e
WLAN controller model	Intel Wi-Fi 6E AX211	PAIA version	1.3.2
WLAN controller manufacturer	Intel		
Ethernet LAN	✓		

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