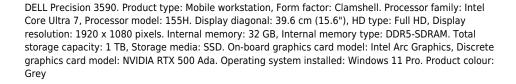


DELL Precision 3590 Intel Core Ultra 7 155H Mobile workstation 39.6 cm (15.6") Full HD 32 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX 500 Ada Wi-Fi 6E (802.11ax) Windows 11 Pro Grey

Brand : DELL Product family: Precision Product code: H3JYH

Product name: 3590







Design		Camera	
Product type * Product colour * Form factor * Market positioning Intel® vPro™ Platform Eligibility	Mobile workstation Grey Clamshell Business	Front camera resolution Front camera HD type Video capturing speed Privacy camera Privacy type	1920 x 1080 pixels Full HD 30 fps ✓ Privacy shutter
Display		Network	
Display diagonal * Display resolution * Touchscreen * HD type Panel type LED backlight Native aspect ratio Anti-glare screen Display brightness Pixel density Display diagonal (metric) RGB colour space Colour gamut Maximum refresh rate	39.6 cm (15.6") 1920 x 1080 pixels	Top Wi-Fi standard * Wi-Fi standards Mobile network connection * Wi-Fi data rate (max) Antenna type WLAN controller model WLAN controller manufacturer Ethernet LAN Ethernet LAN data rates Bluetooth MIMO MIMO 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) 2400 Mbit/s 2x2 Intel Wi-Fi 6E AX211 Intel 10,100,1000 Mbit/s Multi User MIMO
Contrast ratio (typical)	60 HZ 700:1	Ports & interfaces	
Processor	700.1	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor manufacturer * Processor family * Processor generation Processor model * Processor cores	Intel Intel Core Ultra 7 Intel® Core™ Ultra (Series 1) 155H 16	Ethernet LAN (RJ-45) ports HDMI ports quantity * HDMI version Thunderbolt 4 ports quantity Intel® Thunderbolt 4	1 1 2.1 2

Processor		Ports & interfaces	
Processor threads	22	Combo headphone/mic port	1
Processor boost frequency	4.8 GHz	USB Type-C DisplayPort Alternate	1
Performance cores	6	Mode	
Efficient cores	8	PowerShare	1
Low Power Efficient-cores	2	Performance	
Performance-core Max Turbo Frequency	4.8 GHz	Motherboard chipset	Intel SoC
Efficient-core Max Turbo Frequency	3.8 GHz	Ambient light sensor	✓
Low Power Efficient-core Max Turbo	2.5 GHz	Keyboard	
Frequency		Pointing device	Touchpad
Performance-core base frequency	1.4 GHz	Keyboard language	Nordic
Efficient-core base frequency	0.9 GHz	Numeric keypad *	✓
Low Power Efficient-core Base Frequency	700 MHz	Keyboard backlit	1
Processor cache	24 MB	Keyboard number of keys	100
Processor cache type	Smart Cache		100
Processor base power	28 W	Software	
Maximum turbo power	115 W	Operating system architecture	64-bit
Neural processor unit (NPU)		Operating system language	Danish, English, Finnish, Norwegian, Swedish
Neural processor unit (NPU)	Intel Al Boost	Trial coffusara	No Microsoft Office License Included
Maximum frequency NPU	1.4 GHz	Trial software	30 day Trial Offer Only
Sparsity support	✓	Operating system installed *	Windows 11 Pro
Windows Studio effects support	✓	Battery	
Al datatype support on NPU	FP16, FP32, Int8	Number of battery cells	3
Al software frameworks supported	DirectML, ONNX RT, OpenVINO,	Battery capacity *	54 Wh
by NPU	Windows ML	Battery voltage	11.4 V
Memory		Battery recharge time	4 h
Internal memory *	32 GB	Fast charging	✓
Internal memory type	DDR5-SDRAM	Battery weight	220 g
Memory form factor	SO-DIMM	Power	
Memory layout (slots x size)	2 x 16 GB	AC adapter power	130 W
Memory slots	2x SO-DIMM	AC adapter frequency	50/60 Hz
Maximum internal memory *	64 GB	AC adapter input voltage	100 - 240 V
Memory data transfer rate	5600 MT/s	USB Type-C charging port *	✓
Non-ECC	•	USB Power Delivery (USB PD) *	✓
Storage		USB charging voltage	20,5 V
Total storage capacity *	1 TB	USB charging current	6.5 A
Storage media *	SSD	Security	
Total SSDs capacity	1 TB	Cable lock slot	✓
Number of SSDs installed	1	Cable lock slot type	Wedge
SSD capacity	1 TB	Smart card reader	✓
SSD interface	PCI Express 4.0	Trusted Platform Module (TPM)	·
NVMe	✓	Trusted Platform Module (TPM)	
SSD form factor SSD performance class	M.2 40	version	2.0
M.2 SSD size	2280 (22 x 80 mm)	Operational conditions	
Optical drive type *	× ×	Operating temperature (T-T)	0 - 35 °C
Card reader integrated	^ ✓	Storage temperature (T-T)	-40 - 65 °C
J	MicroSD (TransFlash), MicroSDHC,	Operating relative humidity (H-H)	10 - 90%
Compatible memory cards	MicroSDXC	Storage relative humidity (H-H)	0 - 95%
Graphics		Operating altitude	-15.2 - 3048 m
Discrete GPU manufacturer	NVIDIA	Non-operating altitude	-15.2 - 10668 m
Discrete graphics card model *	NVIDIA NVIDIA RTX 500 Ada	Operating shock	110 G
Discrete graphics card memory	4 GB	Non-operating shock	160 G
Discrete graphics memory type	GDDR6	Operating vibration	0.66 G
On-board graphics card *	✓	Non-operating vibration	1.3 G
On-board GPU manufacturer	Intel	Sustainability	
Discrete graphics card *	✓	Sustainability compliance	✓
On-board graphics card family	Intel Arc Graphics	Sustainability certificates	TCO, ENERGY STAR, EPEAT Gold

Graphics		Weight & dimensions	
On-board graphics card model * Audio	Intel Arc Graphics	Width Depth	357.8 mm 233.3 mm
Audio system Number of built-in speakers Speakers manufacturer	· Weight *	Height (rear)	2.08 cm 2.28 cm 1.62 kg
Speaker power	2 W	Carbon footprint	
Built-in microphone	✓	Total carbon footprint (kg of CO2e)	119
Number of microphones	2	Carbon emissions, manufacturing (kg of CO2e)	86
Camera		Carbon emissions, logistics (kg of	4
Front camera	✓	CO2e)	
Front camera resolution (numeric)	2.07 MP	Carbon emissions, energy usage (kg of CO2e)	28
		Carbon emissions, end-of-life (kg of CO2e)	1
		Total carbon emissions, w/o use phase (kg of CO2e)	91
		PAIA version	GaBi version 1, 2024
		Packaging content	
		Cables included	AC



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