



## DELL Precision 3590 Intel Core Ultra 7 155H Mobiilne tööjaam 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 Hall

Brand : DELL

Product code: N014P3590EMEA\_VP

Product name : Precision 3590

DELL Precision 3590. Toote tüüp: Mobiilne tööjaam, Toote kuju: Kokkukäiv. Protsessori perekond: Intel Core Ultra 7, Protsessori mudel: 155H. Ekraani diagonaal: 39,6 cm (15.6"), HD tüüp: Full HD, Ekraani resolutsioon: 1920 x 1080 pikslit. Sisemälu: 32 GB, Sisemälu tüüp: DDR5-SDRAM. Salvestusmaht kokku: 1 TB, Salvestusseade: SSD. Pardagraafika adapteri mudel: Intel Arc Graphics, Eraldiseisva graafika adapteri mudel: NVIDIA RTX 500 Ada. Installitud operatsioonisüsteem: Windows 11 Pro. Toote värv: Hall



Design		Camera	
Product type *	Mobile workstation	Front camera resolution (numeric)	2.07 MP
Product colour *	Grey	Front camera resolution	1920 x 1080 pixels
Form factor *	Clamshell	Front camera HD type	Full HD
Market positioning	Business	Video capturing speed	30 fps
Display		Privacy camera	✓
Display diagonal *	39.6 cm (15.6")	Privacy type	Privacy shutter
Display resolution *	1920 x 1080 pixels	Network	
Touchscreen *	✗	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
HD type	Full HD	Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax)
Panel type	IPS	Mobile network connection *	✗
LED backlight	✓	Wi-Fi data rate (max)	2400 Mbit/s
Native aspect ratio	16:9	Antenna type	2x2
Anti-glare screen	✓	WLAN controller model	Intel Wi-Fi 6E AX211
Display brightness	250 cd/m <sup>2</sup>	WLAN controller manufacturer	Intel
Pixel density	141 ppi	Ethernet LAN	✓
Display diagonal (metric)	39.6 cm	Ethernet LAN data rates	10,100,1000 Mbit/s
RGB colour space	NTSC	Bluetooth	✓
Colour gamut	45%	Ports & interfaces	
Maximum refresh rate	60 Hz	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Contrast ratio (typical)	700:1	Ethernet LAN (RJ-45) ports	1
Processor		HDMI ports quantity *	1
Processor manufacturer *	Intel	HDMI version	2.1
Processor family *	Intel Core Ultra 7	Thunderbolt 4 ports quantity	2
Processor generation	Intel® Core™ Ultra (Series 1)	Intel® Thunderbolt 4	✓
Processor model *	155H	Combo headphone/mic port	✓
Processor cores	16		
Processor threads	22		
Processor boost frequency	4.8 GHz		

<b>Processor</b>		<b>Ports &amp; interfaces</b>	
Performance cores	6	Charging port type	USB Type-C
Efficient cores	8	USB Type-C DisplayPort Alternate Mode	✓
Low Power Efficient-cores	2	PowerShare	✓
Performance-core Max Turbo Frequency	4.8 GHz	<b>Performance</b>	
Efficient-core Max Turbo Frequency	3.8 GHz	Motherboard chipset	Intel SoC
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Ambient light sensor	✓
Performance-core base frequency	1.4 GHz	<b>Keyboard</b>	
Efficient-core base frequency	0.9 GHz	Pointing device	Touchpad
Low Power Efficient-core Base Frequency	700 MHz	Numeric keypad *	✓
Processor cache	24 MB	Keyboard backlit	✓
Processor cache type	Smart Cache	<b>Software</b>	
Processor base power	28 W	Operating system architecture	64-bit
Maximum turbo power	115 W	Trial software	Microsoft Office Trial, McAfee Business Protection 1-year
<b>Neural processor unit (NPU)</b>		Operating system installed *	Windows 11 Pro
Neural processor unit (NPU)	Intel AI Boost	<b>Battery</b>	
Maximum frequency NPU	1.4 GHz	Number of battery cells	3
Sparsity support	✓	Battery voltage	11.4 V
Windows Studio effects support	✓	Battery recharge time	4 h
AI datatype support on NPU	FP16, FP32, Int8	Fast charging	✓
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	<b>Power</b>	
<b>Memory</b>		AC adapter power	130 W
Internal memory *	32 GB	AC adapter frequency	50/60 Hz
Internal memory type	DDR5-SDRAM	AC adapter input voltage	100 - 240 V
Memory form factor	SO-DIMM	USB Power Delivery (USB PD) *	✓
Memory layout (slots x size)	2 x 16 GB	<b>Security</b>	
Memory slots	2x SO-DIMM	Cable lock slot	✓
Maximum internal memory *	64 GB	Cable lock slot type	Wedge
Memory data transfer rate	5600 MT/s	Fingerprint reader	✓
<b>Storage</b>		Smart card reader	✓
Total storage capacity *	1 TB	Trusted Platform Module (TPM)	✓
Storage media *	SSD	Trusted Platform Module (TPM) version	2.0
Total SSDs capacity	1 TB	<b>Operational conditions</b>	
Number of SSDs installed	1	Operating temperature (T-T)	0 - 35 °C
SSD capacity	1 TB	Storage temperature (T-T)	-40 - 65 °C
SSD interface	PCI Express 4.0	Operating relative humidity (H-H)	10 - 90%
NVMe	✓	Storage relative humidity (H-H)	0 - 95%
SSD form factor	M.2	Operating altitude	-15.2 - 3048 m
Optical drive type *	✗	Non-operating altitude	-15.2 - 10668 m
Card reader integrated	✓	Operating shock	110 G
Compatible memory cards	MicroSD (TransFlash), MicroSDHC, MicroSDXC	Non-operating shock	160 G
<b>Graphics</b>		Operating vibration	0.66 G
Discrete GPU manufacturer	NVIDIA	Non-operating vibration	1.3 G
Discrete graphics card model *	NVIDIA RTX 500 Ada	<b>Sustainability</b>	
Discrete graphics card memory	4 GB	Sustainability compliance	✓
Discrete graphics memory type	GDDR6	Sustainability certificates	TCO, ENERGY STAR, EPEAT Gold
On-board graphics card *	✓	<b>Weight &amp; dimensions</b>	
On-board GPU manufacturer	Intel	Width	357.8 mm
Discrete graphics card *	✓	Depth	233.3 mm
On-board graphics card family	Intel Arc Graphics	Height (front)	2.08 cm
On-board graphics card model *	Intel Arc Graphics	Height (rear)	2.28 cm
<b>Audio</b>		Weight *	1.62 kg
Audio system	MaxxAudio		
Number of built-in speakers	2		

Audio		Carbon footprint	
Speakers manufacturer	Waves	Total carbon footprint (kg of CO2e)	119
Speaker power	2 W	Carbon emissions, manufacturing (kg of CO2e)	86
Built-in microphone	✓	Carbon emissions, logistics (kg of CO2e)	4
Number of microphones	2	Carbon emissions, energy usage (kg of CO2e)	28
Camera		Carbon emissions, end-of-life (kg of CO2e)	1
Front camera	✓	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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