



## DELL Precision 3591 Intel Core Ultra 7 165H Mobiilne tööjaam 39,6 cm (15.6") Full HD 32 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX 2000 Ada Wi-Fi 6E (802.11ax) Windows 11 Pro Hall

Brand : DELL

Product family: Precision

Product code:  
N105P3591EMEA\_VP

Product name : 3591

DELL Precision 3591. Toote tüüp: Mobiilne tööjaam, Toote kuju: Kokkukäiv. Protsessori perekond: Intel Core Ultra 7, Protsessori mudel: 165H. 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 2000 Ada. Installitud operatsioonisüsteem: Windows 11 Pro. Toote värv: Hall



Design		Camera	
Product type *	Mobile workstation	Front camera HD type	Full HD
Product colour *	Grey	Video capturing speed	30 fps
Form factor *	Clamshell	Privacy camera	✓
Market positioning	Business	Privacy type	Privacy shutter
Display		Network	
Display diagonal *	39.6 cm (15.6")	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Display resolution *	1920 x 1080 pixels	Wi-Fi standards	Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax)
Touchscreen *	✗	Mobile network connection *	✗
HD type	Full HD	Antenna type	2x2
Panel type	IPS	WLAN controller model	Intel Wi-Fi 6E AX211
LED backlight	✓	WLAN controller manufacturer	Intel
Native aspect ratio	16:9	Ethernet LAN	✓
Anti-glare screen	✓	Ethernet LAN data rates	10,100,1000 Mbit/s
Display brightness	400 cd/m <sup>2</sup>	Bluetooth	✓
Pixel density	141 ppi	Ports & interfaces	
RGB colour space	sRGB	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Colour gamut	100%	Ethernet LAN (RJ-45) ports	1
Maximum refresh rate	60 Hz	HDMI ports quantity *	1
Contrast ratio (typical)	800:1	HDMI version	2.1
Processor		Thunderbolt 4 ports quantity	2
Processor manufacturer *	Intel	Intel® Thunderbolt 4	✓
Processor family *	Intel Core Ultra 7	Combo headphone/mic port	✓
Processor generation	Intel® Core™ Ultra (Series 1)	Charging port type	USB Type-C
Processor model *	165H	USB Type-C DisplayPort Alternate Mode	✓
Processor cores	16		
Processor threads	22		
Processor boost frequency	5 GHz		
Performance cores	6		

<b>Processor</b>		<b>Ports &amp; interfaces</b>	
Efficient cores	8	PowerShare	✓
Low Power Efficient-cores	2	Number of USB ports with PowerShare support	1
Performance-core Max Turbo Frequency	5 GHz	<b>Keyboard</b>	
Efficient-core Max Turbo Frequency	3.8 GHz	Pointing device	Touchpad
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Numeric keypad *	✓
Performance-core base frequency	1.4 GHz	Keyboard backlit	✓
Efficient-core base frequency	0.9 GHz	<b>Software</b>	
Low Power Efficient-core Base Frequency	700 MHz	Operating system architecture	64-bit
Processor cache	24 MB	Trial software	Microsoft Office Trial, McAfee Business Protection 1-year
Processor cache type	Smart Cache	Operating system installed *	Windows 11 Pro
Processor base power	28 W	<b>Battery</b>	
Maximum turbo power	115 W	Number of battery cells	4
<b>Neural processor unit (NPU)</b>		Battery capacity *	64 Wh
Neural processor unit (NPU)	Intel AI Boost	Battery voltage	15.2 V
Maximum frequency NPU	1.4 GHz	Battery recharge time	3 h
Sparsity support	✓	Fast charging	✓
Windows Studio effects support	✓	Battery charge indicator	✓
AI datatype support on NPU	FP16, FP32, Int8	Battery weight	280 g
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)	1 x 32 GB	USB charging voltage	5,20 V
Memory slots	2x SO-DIMM	<b>Security</b>	
Maximum internal memory *	64 GB	Cable lock slot	✓
Memory data transfer rate	5600 MT/s	Cable lock slot type	Wedge
<b>Storage</b>		Fingerprint reader	✓
Total storage capacity *	1 TB	Smart card reader	✓
Storage media *	SSD	Trusted Platform Module (TPM)	✓
Total SSDs capacity	1 TB	Trusted Platform Module (TPM) version	2.0
Number of SSDs installed	1	<b>Operational conditions</b>	
SSD capacity	1 TB	Operating temperature (T-T)	0 - 35 °C
SSD interface	PCI Express 4.0	Storage temperature (T-T)	-40 - 65 °C
NVMe	✓	Operating relative humidity (H-H)	10 - 90%
SSD form factor	M.2	Storage relative humidity (H-H)	0 - 95%
Optical drive type *	✗	Operating altitude	-15.2 - 3048 m
Card reader integrated	✓	Non-operating altitude	-15.2 - 10668 m
Compatible memory cards	MicroSD (TransFlash), MicroSDHC, MicroSDXC	Operating shock	110 G
<b>Graphics</b>		Non-operating shock	160 G
Discrete graphics card model *	NVIDIA RTX 2000 Ada	Operating vibration	0.66 G
Discrete graphics card memory	8 GB	Non-operating vibration	1.3 G
Discrete graphics memory type	GDDR6	<b>Sustainability</b>	
On-board graphics card *	✓	Sustainability compliance	✓
On-board GPU manufacturer	Intel	Sustainability certificates	ENERGY STAR, TCO
Discrete graphics card *	✓	<b>Weight &amp; dimensions</b>	
On-board graphics card family	Intel Arc Graphics	Width	357.8 mm
On-board graphics card model *	Intel Arc Graphics	Depth	233.3 mm
<b>Audio</b>		Height (front)	2.27 cm
Number of built-in speakers	2	Height (rear)	2.47 cm
Speakers manufacturer	Waves	Weight *	1.79 kg
Speaker power	2 W		
Built-in microphone	✓		

Audio		Carbon footprint	
Number of microphones	2	Total carbon footprint (kg of CO2e)	120
Camera		Carbon emissions, manufacturing (kg of CO2e)	84
Front camera	✓	Carbon emissions, logistics (kg of CO2e)	5
Front camera resolution (numeric)	2.07 MP	Carbon emissions, energy usage (kg of CO2e)	31
Front camera resolution	1920 x 1080 pixels	Carbon emissions, end-of-life (kg of CO2e)	1
		Total carbon emissions, w/o use phase (kg of CO2e)	89
		PAIA version	GaBi version 1, 2024
		Packaging content	
		Cables included	AC

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