



DELL Precision 3591 Intel Core Ultra 7 155H Mobile workstation 39.6 cm (15.6") Full HD 32 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX 1000 Ada Wi-Fi 6E (802.11ax) Windows 11 Pro Grey

Brand : DELL

Product family: Precision

Product code: 11VP7

Product name : 3591

DELL Precision 3591. Product type: Mobile workstation, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 155H. Display diagonal: 39.6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 32 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel Arc Graphics, Discrete graphics card model: NVIDIA RTX 1000 Ada. Operating system installed: Windows 11 Pro. Product colour: Grey



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
Intel® vPro™ Platform Eligibility	✓		
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	Wi-Fi data rate (max)	2400 Mbit/s
Panel type	IPS	Antenna type	2x2
LED backlight	✓	WLAN controller model	Intel Wi-Fi 6E AX211
Native aspect ratio	16:9	WLAN controller manufacturer	Intel
Anti-glare screen	✓	Ethernet LAN	✓
Display brightness	400 cd/m ²	Ethernet LAN data rates	10,100,1000 Mbit/s
Pixel density	141 ppi	Bluetooth	✓
RGB colour space	sRGB	MIMO	✓
Colour gamut	100%		
Maximum refresh rate	60 Hz	Ports & interfaces	
Contrast ratio (typical)	800:1	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor		Ethernet LAN (RJ-45) ports	1
Processor manufacturer *	Intel	HDMI ports quantity *	1
Processor family *	Intel Core Ultra 7	HDMI version	2.1
Processor generation	Intel® Core™ Ultra (Series 1)	Thunderbolt 4 ports quantity	2
Processor model *	155H	Intel® Thunderbolt 4	✓
Processor cores	16	Combo headphone/mic port	✓
Processor threads	22	Charging port type	USB Type-C

Processor		Ports & interfaces	
Processor boost frequency	4.8 GHz	USB Type-C DisplayPort Alternate Mode	✓
Performance cores	6	PowerShare	✓
Efficient cores	8	Number of USB ports with PowerShare support	1
Low Power Efficient-cores	2	Keyboard	
Performance-core Max Turbo Frequency	4.8 GHz	Pointing device	Touchpad
Efficient-core Max Turbo Frequency	3.8 GHz	Keyboard language	Nordic
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	Keyboard number of keys	100
Low Power Efficient-core Base Frequency	700 MHz	Software	
Processor cache	24 MB	Operating system architecture	64-bit
Processor cache type	Smart Cache	Operating system language	Danish, English, Finnish, Norwegian, Swedish
Processor base power	28 W	Trial software	No Microsoft Office License Included 30 day Trial Offer Only
Maximum turbo power	115 W	Operating system installed *	Windows 11 Pro
Neural processor unit (NPU)		Battery	
Neural processor unit (NPU)	Intel AI Boost	Number of battery cells	4
Maximum frequency NPU	1.4 GHz	Battery capacity *	64 Wh
Sparsity support	✓	Battery voltage	15.2 V
Windows Studio effects support	✓	Battery recharge time	3 h
AI datatype support on NPU	FP16, FP32, Int8	Fast charging	✓
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	Battery charge indicator	✓
Memory		Battery weight	280 g
Internal memory *	32 GB	Power	
Internal memory type	DDR5-SDRAM	AC adapter power	130 W
Memory form factor	SO-DIMM	AC adapter frequency	50 - 60 Hz
Memory layout (slots x size)	1 x 32 GB	AC adapter input voltage	100 - 240 V
Memory slots	2x SO-DIMM	USB Power Delivery (USB PD) *	✓
Maximum internal memory *	64 GB	USB charging voltage	5,20 V
Memory data transfer rate	5600 MT/s	Security	
Non-ECC	✓	Cable lock slot	✓
Storage		Cable lock slot type	Wedge
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	Operational conditions	
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%
SSD performance class	40	Operating altitude	-15.2 - 3048 m
M.2 SSD size	2280 (22 x 80 mm)	Non-operating altitude	-15.2 - 10668 m
Optical drive type *	✗	Operating shock	110 G
Card reader integrated	✓	Non-operating shock	160 G
Compatible memory cards	MicroSD (TransFlash), MicroSDHC, MicroSDXC	Operating vibration	0.66 G
Graphics		Non-operating vibration	1.3 G
Discrete graphics card model *	NVIDIA RTX 1000 Ada	Sustainability	
Discrete graphics card memory	6 GB	Sustainability compliance	✓
Discrete graphics memory type	GDDR6	Sustainability certificates	ENERGY STAR, TCO
On-board graphics card *	✓	Weight & dimensions	
On-board GPU manufacturer	Intel	Width	357.8 mm
Discrete graphics card *	✓	Depth	233.3 mm
On-board graphics card family	Intel Arc Graphics		
On-board graphics card model *	Intel Arc Graphics		

Audio		Weight & dimensions	
Number of built-in speakers	2	Height (front)	2.27 cm
Speakers manufacturer	Waves	Height (rear)	2.47 cm
Speaker power	2 W	Weight *	1.79 kg
Built-in microphone	✓	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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