DELL

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:** 3HXWJ

Product name : 3591

- Windows 11 Pro 64-bit
- Intel Core Ultra 7 155H (24MB Cache)
- 39.6 cm (15.6") Full HD 1920 x 1080 IPS, NVIDIA RTX 1000 Ada (6GB GDDR6)
- 32GB DDR5-SDRAM (1 x 32) & 1000GB SSD
Intel Core Ultra 7 155H (24MB Cache), 32GB DDR5-SDRAM, 1000GB SSD, 39.6 cm (15.6") Full HD 1920 x 1080 IPS, Intel Arc Graphics, NVIDIA RTX 1000 Ada (6GB GDDR6), LAN, WLAN, Webcam, Windows 11 Pro 64-bit

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:

Extraordinary performance. AI at your fingertips.
Intelligently optimised and high performing, the Precision 3591 is a powerful entry-level workstation for design and creative applications.

Design		Camera	
Product type *	Mobile workstation	Front camera	✔
Product colour *	Grey	Front camera resolution (numeric)	2.07 MP
Form factor *	Clamshell	Front camera resolution	1920 x 1080 pixels
Market positioning	Business	Front camera HD type	Full HD
Display		Video capturing speed	30 fps
Display diagonal *	39.6 cm (15.6")	Privacy camera	✔
Display resolution *	1920 x 1080 pixels	Privacy type	Privacy shutter
Touchscreen *	✖	**Network**	
HD type	Full HD	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Panel type	IPS		Wi-Fi 5 (802.11ac), 802.11b,
LED backlight	✔	Wi-Fi standards	802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E
Native aspect ratio	16:9		(802.11ax)
Anti-glare screen	✔	Mobile network connection *	✖
Display brightness	400 cd/m²	Wi-Fi data rate (max)	2400 Mbit/s
Pixel density	141 ppi	Antenna type	2x2
RGB colour space	sRGB	WLAN controller model	Intel Wi-Fi 6E AX211
Colour gamut	100%	WLAN controller manufacturer	Intel
Maximum refresh rate	60 Hz	Ethernet LAN	✔
Contrast ratio (typical)	800:1	Ethernet LAN data rates	10,100,1000 Mbit/s
Processor		Bluetooth	✔
Processor manufacturer *	Intel	WWAN	Upgradable
Processor family *	Intel Core Ultra 7	MIMO	✔
Processor generation	Intel Core Ultra (Series 1)	MIMO type	Multi User MIMO
Processor model *	155H	**Ports & interfaces**	
Processor cores	16	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor threads	22	Ethernet LAN (RJ-45) ports	1
Processor boost frequency	4.8 GHz	HDMI ports quantity *	1
Performance cores	6	HDMI version	2.1

Processor

Efficient cores	8
Low Power Efficient-cores	2
Performance-core Max Turbo Frequency	4.8 GHz
Efficient-core Max Turbo Frequency	3.8 GHz
Low Power Efficient-core Max Turbo Frequency	2.5 GHz
Performance-core base frequency	1.4 GHz
Efficient-core base frequency	0.9 GHz
Low Power Efficient-core Base Frequency	700 MHz
Processor cache	24 MB
Processor cache type	Smart Cache
Processor base power	28 W
Maximum turbo power	115 W

Neural processor unit (NPU)

Neural processor unit (NPU)	Intel AI Boost
Maximum frequency NPU	1.4 GHz
Sparsity support	✓
Windows Studio effects support	✓
AI datatype support on NPU	FP16, FP32, Int8
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML

Memory

Internal memory *	32 GB
Internal memory type	DDR5-SDRAM
Memory form factor	SO-DIMM
Memory layout (slots x size)	1 x 32 GB
Memory slots	2x SO-DIMM
Maximum internal memory *	64 GB
Memory data transfer rate	5600 MT/s
Non-ECC	✓

Storage

Total storage capacity *	1 TB
Storage media *	SSD
Total SSDs capacity	1 TB
Number of SSDs installed	1
SSD capacity	1 TB
SSD interface	PCI Express 4.0
NVMe	✓
SSD form factor	M.2
SSD performance class	40
Optical drive type *	✗
Card reader integrated	✓
Compatible memory cards	MicroSD (TransFlash), MicroSDHC, MicroSDXC

Graphics

Discrete graphics card model *	NVIDIA RTX 1000 Ada
Discrete graphics card memory	6 GB
Discrete graphics memory type	GDDR6
On-board graphics card *	✓
On-board GPU manufacturer	Intel
Discrete graphics card *	✓
On-board graphics card family	Intel Arc Graphics
On-board graphics card model *	Intel Arc Graphics

Audio

Number of built-in speakers	2
Speakers manufacturer	Waves
Speaker power	2 W

Ports & interfaces

Thunderbolt 4 ports quantity	2
Intel® Thunderbolt 4	✓
Combo headphone/mic port	✓
Charging port type	USB Type-C
USB Type-C DisplayPort Alternate Mode	✓
USB Power Delivery	✓
PowerShare	✓
Number of USB ports with PowerShare support	1

Keyboard

Pointing device	Touchpad
Keyboard language	UK English
Numeric keypad *	✓
Keyboard backlit	✓
Keyboard number of keys	100

Software

Operating system architecture	64-bit
Operating system language	German, Dutch, English, French, Italian
Trial software	No Microsoft Office Licence Included - 30 day Trial Offer Only
Operating system installed *	Windows 11 Pro

Battery

Number of battery cells	4
Battery capacity *	64 Wh
Battery voltage	15.2 V
Battery recharge time	3 h
Fast charging	✓
Battery charge indicator	✓
Battery weight	280 g

Power

AC adapter power	130 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
USB charging voltage	5,20 V

Security

Cable lock slot	✓
Cable lock slot type	Wedge
Smart card reader	✓
Trusted Platform Module (TPM)	✓
Trusted Platform Module (TPM) version	2.0

Operational conditions

Operating temperature (T-T)	0 - 35 °C
Storage temperature (T-T)	-40 - 65 °C
Operating relative humidity (H-H)	10 - 90%
Storage relative humidity (H-H)	0 - 95%
Operating altitude	-15.2 - 3048 m
Non-operating altitude	-15.2 - 10668 m
Operating shock	110 G
Non-operating shock	160 G
Operating vibration	0.66 G
Non-operating vibration	1.3 G

Sustainability

Sustainability compliance	✓
Sustainability certificates	ENERGY STAR, TCO

Audio

Built-in microphone	✓
Number of microphones	2

Weight & dimensions

Width	357.8 mm
Depth	233.3 mm
Height (front)	2.27 cm
Height (rear)	2.47 cm
Weight *	1.79 kg

Packaging content

Cables included	AC

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