



DELL Precision 5490 Intel Core Ultra 7 165H Mobile workstation 35.6 cm (14") Full HD+ 32 GB LPDDR5x-SDRAM 1 TB SSD NVIDIA RTX 2000 Ada Wi-Fi 7 (802.11be) Windows 11 Pro Grey

Brand : DELL

Product family: Precision

Product code: C6FW6

Product name : 5490



DELL Precision 5490. Product type: Mobile workstation, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 165H. Display diagonal: 35.6 cm (14"), HD type: Full HD+, Display resolution: 1920 x 1200 pixels. Internal memory: 32 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel Arc Graphics, Discrete graphics card model: NVIDIA RTX 2000 Ada. Operating system installed: Windows 11 Pro. Product colour: Grey



Design		Camera	
Product type *	Mobile workstation	Front camera	✓
Product colour *	Grey	Front camera resolution (numeric)	0.92 MP
Form factor *	Clamshell	Front camera resolution	1280 x 720 pixels
Market positioning	Business	Front camera HD type	HD
Intel® vPro™ Platform Eligibility	✓	Video capturing speed	30 fps
		Infrared (IR) camera	✓
Display		Network	
Display diagonal *	35.6 cm (14")	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Display resolution *	1920 x 1200 pixels	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6E (802.11ax), Wi-Fi 7 (802.11be)
Touchscreen *	✗	Mobile network connection *	✗
HD type	Full HD+	Antenna type	2x2
Panel type	WVA	WLAN controller model	Intel Wi-Fi 7 BE200
LED backlight	✓	WLAN controller manufacturer	Intel
Native aspect ratio	16:10	Bluetooth	✓
Anti-glare screen	✓	MIMO	✓
Display brightness	500 cd/m ²	MIMO type	Multi User MIMO
Pixel density	161 ppi	Ports & interfaces	
RGB colour space	sRGB	Thunderbolt 4 ports quantity	4
Colour gamut	100%	Intel® Thunderbolt 4	✓
Maximum refresh rate	60 Hz	Combo headphone/mic port	✓
Contrast ratio (typical)	1000:1	Charging port type	USB Type-C
Processor		USB Type-C DisplayPort Alternate Mode	✓
Processor manufacturer *	Intel	Performance	
Processor family *	Intel Core Ultra 7	Ambient light sensor	✓
Processor generation	Intel® Core™ Ultra (Series 1)		
Processor model *	165H		
Processor cores	16		
Processor threads	22		

Processor		Performance	
Processor boost frequency	5 GHz	Accelerometer	✓
Performance cores	6	Hall sensor	✓
Efficient cores	8	Keyboard	
Low Power Efficient-cores	2	Pointing device	Touchpad
Performance-core Max Turbo Frequency	5 GHz	Keyboard language	Nordic
Efficient-core Max Turbo Frequency	3.8 GHz	Numeric keypad *	✗
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Keyboard backlit	✓
Performance-core base frequency	1.4 GHz	Software	
Efficient-core base frequency	0.9 GHz	Operating system architecture	64-bit
Low Power Efficient-core Base Frequency	700 MHz	Operating system language	Danish, English, Finnish, Norwegian, Swedish
Processor cache	24 MB	Trial software	No Microsoft Office Licence Included - 30 day Trial Offer Only
Processor cache type	Smart Cache	Operating system installed *	Windows 11 Pro
Processor base power	28 W	Battery	
Maximum turbo power	115 W	Number of battery cells	4
Neural processor unit (NPU)		Battery capacity *	72 Wh
Neural processor unit (NPU)	Intel AI Boost	Battery voltage	15.4 V
Maximum frequency NPU	1.4 GHz	Battery recharge time	4 h
Sparsity support	✓	Fast charging	✓
Windows Studio effects support	✓	Battery weight	285 g
AI datatype support on NPU	FP16, FP32, Int8	Power	
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	AC adapter power	130 W
Memory		AC adapter frequency	50 - 60 Hz
Internal memory *	32 GB	AC adapter input voltage	100 - 240 V
Internal memory type	LPDDR5x-SDRAM	USB Power Delivery (USB PD) *	✓
Memory form factor	On-board	Security	
Maximum internal memory *	32 GB	Cable lock slot	✓
Memory channels	Dual-channel	Cable lock slot type	Wedge
Memory data transfer rate	7467 MT/s	Fingerprint reader	✓
Storage		Trusted Platform Module (TPM)	✓
Total storage capacity *	1 TB	Trusted Platform Module (TPM) version	2.0
Storage media *	SSD	Password protection	✓
Total SSDs capacity	1 TB	Operational conditions	
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
SSD performance class	40	Non-operating altitude	-15.2 - 10668 m
M.2 SSD size	2280 (22 x 80 mm)	Operating shock	110 G
Optical drive type *	✗	Non-operating shock	160 G
Card reader integrated	✓	Operating vibration	0.66 G
Compatible memory cards	MicroSD (TransFlash), MicroSDHC, MicroSDXC	Non-operating vibration	1.3 G
Graphics		Sustainability	
Discrete GPU manufacturer	NVIDIA	Sustainability compliance	✓
Discrete graphics card model *	NVIDIA RTX 2000 Ada	Sustainability certificates	ENERGY STAR, TCO
Discrete graphics card memory	8 GB	Weight & dimensions	
Discrete graphics memory type	GDDR6	Width	310.6 mm
On-board graphics card *	✓	Depth	210.3 mm
On-board GPU manufacturer	Intel	Height (front)	7.49 mm
Discrete graphics card *	✓	Height (rear)	1.9 cm
On-board graphics card family	Intel Arc Graphics	Weight *	1.49 kg
On-board graphics card model *	Intel Arc Graphics		

Audio		Carbon footprint	
Number of built-in speakers	4	Total carbon footprint (kg of CO2e)	115
Speaker power	2 W	Carbon emissions, manufacturing (kg of CO2e)	87
Built-in microphone	✓	Carbon emissions, logistics (kg of CO2e)	6
Number of microphones	2	Carbon emissions, energy usage (kg of CO2e)	20
		Carbon emissions, end-of-life (kg of CO2e)	2
		Total carbon emissions, w/o use phase (kg of CO2e)	95
		PAIA version	GaBi version 1, 2024
		Packaging content	
		Cables included	AC



5397184899977

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.

Publication date: 22-DEC-2024. Prints or copies of Information are only valid on the printed Publication date