



## 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
Display		Infrared (IR) camera	✓
Display diagonal *	35.6 cm (14")	Network	
Display resolution *	1920 x 1200 pixels	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Touchscreen *	✗	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)
HD type	Full HD+	Mobile network connection *	✗
Panel type	WVA	Antenna type	2x2
LED backlight	✓	WLAN controller model	Intel Wi-Fi 7 BE200
Native aspect ratio	16:10	WLAN controller manufacturer	Intel
Anti-glare screen	✓	Bluetooth	✓
Display brightness	500 cd/m <sup>2</sup>	MIMO	✓
Pixel density	161 ppi	MIMO type	Multi User MIMO
RGB colour space	sRGB	Ports & interfaces	
Colour gamut	100%	Thunderbolt 4 ports quantity	4
Maximum refresh rate	60 Hz	Intel® Thunderbolt 4	✓
Contrast ratio (typical)	1000:1	Combo headphone/mic port	✓
Processor		Charging port type	USB Type-C
Processor manufacturer *	Intel	USB Type-C DisplayPort Alternate Mode	✓
Processor family *	Intel Core Ultra 7	USB Power Delivery	✓
Processor generation	Intel® Core™ Ultra (Series 1)	Performance	
Processor model *	165H	Ambient light sensor	✓
Processor cores	16		
Processor threads	22		
Processor boost frequency	5 GHz		

<b>Processor</b>		<b>Performance</b>	
Performance cores	6	Accelerometer	✓
Efficient cores	8	Hall sensor	✓
Low Power Efficient-cores	2	<b>Keyboard</b>	
Performance-core Max Turbo Frequency	5 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	<b>Software</b>	
Low Power Efficient-core Base Frequency	700 MHz	Operating system architecture	64-bit
Processor cache	24 MB	Operating system language	Danish, English, Finnish, Norwegian, Swedish
Processor cache type	Smart Cache	Trial software	No Microsoft Office Licence Included - 30 day Trial Offer Only
Processor base power	28 W	Operating system installed *	Windows 11 Pro
Maximum turbo power	115 W	<b>Battery</b>	
<b>Neural processor unit (NPU)</b>		Number of battery cells	4
Neural processor unit (NPU)	Intel AI Boost	Battery capacity *	72 Wh
Maximum frequency NPU	1.4 GHz	Battery voltage	15.4 V
Sparsity support	✓	Battery recharge time	4 h
Windows Studio effects support	✓	Fast charging	✓
AI datatype support on NPU	FP16, FP32, Int8	Battery weight	285 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	LPDDR5x-SDRAM	AC adapter input voltage	100 - 240 V
Memory form factor	On-board	<b>Security</b>	
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	✓
<b>Storage</b>		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	<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
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
<b>Graphics</b>		<b>Sustainability</b>	
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	<b>Weight &amp; dimensions</b>	
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	<b>Carbon footprint</b>	
<b>Audio</b>		Total carbon footprint (kg of CO2e)	115
Number of built-in speakers	4	Carbon emissions, manufacturing (kg of CO2e)	87
Speaker power	2 W		

Audio		Carbon footprint	
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 verison1
		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: 02-NOV-2024. Prints or copies of Information are only valid on the printed Publication date