

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



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





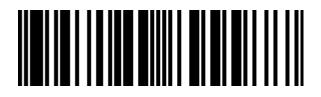
Design		Camera	
Product type * Product colour * Form factor * Market positioning Intel® vPro™ Platform Eligibility	Mobile workstation Grey Clamshell Business 🖌	Front camera Front camera resolution (numeric) Front camera resolution Front camera HD type Video capturing speed Infrared (IR) camera	✓ 0.92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

Processor		Performance	
Processor boost frequency	5 GHz	Hall sensor	1
Performance cores	6	Keyboard	
Efficient cores Low Power Efficient-cores	8 2	Pointing device	Touchpad
Performance-core Max Turbo		Keyboard language	Nordic
Frequency	5 GHz	Numeric keypad *	×
Efficient-core Max Turbo Frequency	3.8 GHz	Keyboard backlit	✓
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Software	
Performance-core base frequency	1.4 GHz	Operating system architecture	64-bit
Efficient-core base frequency	0.9 GHz	Operating system language	Danish, English, Finnish, Norwegian,
Low Power Efficient-core Base	700 MHz		Swedish No Microsoft Office Licence Included
Frequency Processor cache	24 MB	Trial software	- 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 Al Boost	Battery voltage	15.4 V
Maximum frequency NPU	1.4 GHz	Battery recharge time	4 h
Sparsity support	1	Fast charging	×
Windows Studio effects support	1	Battery weight	285 g
AI datatype support on NPU	FP16, FP32, Int8	Power	
Al software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	AC adapter power	130 W
		AC adapter frequency	50 - 60 Hz 100 - 240 V
Memory	22.00	AC adapter input voltage USB Type-C charging port *	100 - 240 V ✓
Internal memory * Internal memory type	32 GB LPDDR5x-SDRAM	USB Power Delivery (USB PD)	
Memory form factor	On-board		•
Maximum internal memory *	32 GB	Security	
Memory channels	Dual-channel	Cable lock slot	
Memory data transfer rate	7467 MT/s	Cable lock slot type	Wedge
Storage		Fingerprint reader Trusted Platform Module (TPM)	J J
Total storage capacity *	1 TB	Trusted Platform Module (TPM)	
Storage media *	SSD	version	2.0
Total SSDs capacity Number of SSDs installed	1 TB 1	Password protection	1
SSD capacity	1 1 TB	Operational conditions	
SSD interface	PCI Express 4.0	Operating temperature (T-T)	0 - 35 °C
NVMe	1	Storage temperature (T-T)	-40 - 65 °C
SSD form factor	M.2	Operating relative humidity (H-H)	10 - 90%
SSD performance class	40	Storage relative humidity (H-H)	0 - 95% -15.2 - 3048 m
M.2 SSD size	2280 (22 x 80 mm)	Operating altitude Non-operating altitude	-15.2 - 10668 m
Optical drive type *	×	Operating shock	110 G
Card reader integrated	✓ ✓ MicroSD (TransFlash), MicroSDHC,	Non-operating shock	160 G
Compatible memory cards	MicroSDXC	Operating vibration	0.66 G
Graphics		Non-operating vibration	1.3 G
Discrete GPU manufacturer	NVIDIA	Sustainability	
Discrete graphics card model *	NVIDIA RTX 2000 Ada	Sustainability compliance	1
Discrete graphics card memory	8 GB	Sustainability certificates	ENERGY STAR, TCO
Discrete graphics memory type	GDDR6	Weight & dimensions	
On-board graphics card *		Width	310.6 mm
On-board GPU manufacturer	Intel	Depth	210.3 mm
Discrete graphics card *	✓ Intel Arc Graphics	Height (front)	7.49 mm
On-board graphics card family On-board graphics card model *	Intel Arc Graphics	Height (rear) Weight *	1.9 cm 1.49 kg
		weight	1.73 NY

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	✓		
Number of microphones	2	Carbon emissions, logistics (kg of CO2e)	6
		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

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