



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: KD0MW

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 HD type	HD
Product colour *	Grey	Video capturing speed	30 fps
Form factor *	Clamshell	Infrared (IR) camera	✓
Market positioning	Business	Network	
Intel® vPro™ Platform Eligibility	✓	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Display		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)
Display diagonal *	35.6 cm (14")	Mobile network connection *	✗
Display resolution *	1920 x 1200 pixels	Antenna type	2x2
Touchscreen *	✗	WLAN controller model	Intel Wi-Fi 7 BE200
HD type	Full HD+	WLAN controller manufacturer	Intel
Panel type	WVA	Bluetooth	✓
LED backlight	✓	MIMO	✓
Native aspect ratio	16:10	MIMO type	Multi User MIMO
Anti-glare screen	✓	Ports & interfaces	
Display brightness	500 cd/m²	Thunderbolt 4 ports quantity	4
Pixel density	161 ppi	Intel® Thunderbolt 4	✓
RGB colour space	sRGB	Combo headphone/mic port	✓
Colour gamut	100%	USB Type-C DisplayPort Alternate Mode	✓
Maximum refresh rate	60 Hz	Performance	
Contrast ratio (typical)	1000:1	Ambient light sensor	✓
Processor		Accelerometer	✓
Processor manufacturer *	Intel	Hall sensor	✓
Processor family *	Intel Core Ultra 7	Keyboard	
Processor generation	Intel® Core™ Ultra (Series 1)		
Processor model *	165H		
Processor cores	16		
Processor threads	22		

Processor		Keyboard	
Processor boost frequency	5 GHz	Pointing device	Touchpad
Performance cores	6	Keyboard language	Belgian
Efficient cores	8	Numeric keypad *	✗
Low Power Efficient-cores	2	Keyboard backlit	✓
Performance-core Max Turbo Frequency	5 GHz	Copilot key	✓
Efficient-core Max Turbo Frequency	3.8 GHz	Software	
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Operating system architecture	64-bit
Performance-core base frequency	1.4 GHz	Operating system language	German, Dutch, English, French, Italian
Efficient-core base frequency	0.9 GHz	Trial software	Activate Your Microsoft 365 For A 30 Day Trial
Low Power Efficient-core Base Frequency	700 MHz	Operating system installed *	Windows 11 Pro
Processor cache	24 MB	Microsoft Copilot	✓
Processor cache type	Smart Cache	Copilot+ PC	✓
Processor base power	28 W	Processor special features	
Maximum turbo power	115 W	Intel® Evo™ Platform Verified	✓
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 *	72 Wh
Sparsity support	✓	Battery voltage	15.4 V
Windows Studio effects support	✓	Battery recharge time	4 h
AI datatype support on NPU	FP16, FP32, Int8	Fast charging	✓
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	Battery weight	285 g
Memory		Power	
Internal memory *	32 GB	AC adapter power	130 W
Internal memory type	LPDDR5x-SDRAM	AC adapter frequency	50 - 60 Hz
Memory form factor	On-board	AC adapter input voltage	100 - 240 V
Maximum internal memory *	32 GB	USB Type-C charging port *	✓
Memory channels	Dual-channel	USB Power Delivery (USB PD)	✓
Memory data transfer rate	7467 MT/s	Security	
Storage		Cable lock slot	✓
Total storage capacity *	1 TB	Cable lock slot type	Wedge
Storage media *	SSD	Fingerprint reader	✓
Total SSDs capacity	1 TB	Trusted Platform Module (TPM)	✓
Number of SSDs installed	1	Trusted Platform Module (TPM) version	2.0
SSD capacity	1 TB	Password protection	✓
SSD interface	PCI Express 4.0	Operational conditions	
NVMe	✓	Operating temperature (T-T)	0 - 35 °C
SSD form factor	M.2	Storage temperature (T-T)	-40 - 65 °C
SSD performance class	40	Operating relative humidity (H-H)	10 - 90%
M.2 SSD size	2280 (22 x 80 mm)	Storage relative humidity (H-H)	0 - 95%
Optical drive type *	✗	Operating altitude	-15.2 - 3048 m
Card reader integrated	✓	Non-operating altitude	-15.2 - 10668 m
Compatible memory cards	MicroSD (TransFlash), MicroSDHC, MicroSDXC	Operating shock	110 G
Graphics		Non-operating shock	160 G
Discrete graphics card model *	NVIDIA RTX 2000 Ada	Operating vibration	0.66 G
Discrete graphics card memory	8 GB	Non-operating vibration	1.3 G
Discrete graphics memory type	GDDR6	Sustainability	
On-board graphics card *	✓	Sustainability compliance	✓
On-board GPU manufacturer	Intel	Sustainability certificates	ENERGY STAR, TCO
Discrete graphics card *	✓	Weight & dimensions	
On-board graphics card family	Intel Arc Graphics	Width	310.6 mm
On-board graphics card model *	Intel Arc Graphics	Depth	210.3 mm
Audio		Height (front)	7.49 mm
Number of built-in speakers	4		

Audio		Weight & dimensions	
Speaker power	2 W	Height (rear)	1.9 cm
Built-in microphone	✓	Weight *	1.49 kg
Number of microphones	2	Carbon footprint	
Camera		Total carbon footprint (kg of CO2e)	115
Front camera	✓	Carbon emissions, manufacturing (kg of CO2e)	87
Front camera resolution (numeric)	0.92 MP	Carbon emissions, logistics (kg of CO2e)	6
Front camera resolution	1280 x 720 pixels	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



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Publication date: 01-FEB-2025. Prints or copies of Information are only valid on the printed Publication date