



DELL Precision 3490 Intel Core Ultra 7 155H Mobile workstation 35,6 cm (14") Full HD 16 GB DDR5-SDRAM 512 GB SSD NVIDIA RTX 500 Ada Wi-Fi 6E (802.11ax) Windows 11 Pro French Grey

Brand : DELL

Product family: Precision

Product code: 079R4

Product name : 3490

DELL Precision 3490. Product type: Mobile workstation, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 155H. Display diagonal: 35,6 cm (14"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel Arc Graphics, Discrete graphics card model: NVIDIA RTX 500 Ada. Operating system installed: Windows 11 Pro. Product colour: Grey



Design		Camera	
Product type *	Mobile workstation	Front camera resolution	1920 x 1080 pixels
Product colour *	Grey	Front camera HD type	Full HD
Form factor *	Clamshell	Infrared (IR) camera	✓
Market positioning	Business	Privacy camera	✓
Intel® vPro™ Platform Eligibility	✓	Privacy type	Privacy shutter
Display		Network	
Display diagonal *	35,6 cm (14")	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Display resolution *	1920 x 1080 pixels	Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax)
Touchscreen *	✗	Mobile network connection *	✗
HD type	Full HD	Wi-Fi data rate (max)	2400 Mbit/s
Panel type	IPS	Antenna type	2x2
LED backlight	✓	WLAN controller model	Intel Wi-Fi 6E AX211
Native aspect ratio	16:9	WLAN controller manufacturer	Intel
Anti-glare screen	✓	Ethernet LAN	✓
Display brightness	400 cd/m²	Ethernet LAN data rates	10,100,1000 Mbit/s
Pixel pitch	0,161 x 0,161 mm	Bluetooth	✓
Pixel density	157 ppi	MIMO	✓
Display diagonal (metric)	35,56 cm	MIMO type	Multi User MIMO
RGB colour space	sRGB	Ports & interfaces	
Colour gamut	100%	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Display response rise/fall	35 ms	Ethernet LAN (RJ-45) ports	1
Maximum refresh rate	60 Hz	HDMI ports quantity *	1
Contrast ratio (typical)	1000:1	HDMI version	2.1
Processor		Thunderbolt 4 ports quantity	2
Processor manufacturer *	Intel	Intel® Thunderbolt 4	✓
Processor family *	Intel Core Ultra 7		
Processor generation	Intel® Core™ Ultra (Series 1)		

Processor		Ports & interfaces	
Processor model *	155H	Combo headphone/mic port	✓
Processor cores	16	USB Type-C DisplayPort Alternate Mode	✓
Processor threads	22	PowerShare	✓
Processor boost frequency	4,8 GHz		
Performance cores	6		
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 *	16 GB		
Internal memory type	DDR5-SDRAM		
Memory form factor	SO-DIMM		
Memory layout (slots x size)	1 x 16 GB		
Memory slots	2x SO-DIMM		
Maximum internal memory *	64 GB		
Memory data transfer rate	5600 MT/s		
Non-ECC	✓		
Storage			
Total storage capacity *	512 GB		
Storage media *	SSD		
Total SSDs capacity	512 GB		
Number of SSDs installed	1		
Solid-state drive capacity	512 GB		
SSD memory type	TLC		
Solid-state drive interface	PCI Express 4.0		
NVMe	✓		
SSD form factor	M.2		
SSD performance class	35		
Optical drive type *	✗		
Card reader integrated	✗		
Graphics			
Discrete GPU manufacturer	NVIDIA		
Discrete graphics card model *	NVIDIA RTX 500 Ada		
Discrete graphics card memory	4 GB		
Discrete graphics memory type	GDDR6		
On-board graphics card *	✓		
On-board GPU manufacturer	Intel		
Discrete graphics card *	✓		
		Performance	
		Motherboard chipset	Intel SoC
		Ambient light sensor	✓
		Accelerometer	✓
		Keyboard	
		Pointing device	Touchpad
		Numeric keypad *	✗
		Keyboard backlit	✓
		Keyboard number of keys	80
		Keyboard language	French
		Software	
		Operating system architecture	64-bit
		Operating system language	German, Dutch, English, French, Italian
		Trial software	No Microsoft Office License Included 30 day Trial Offer Only
		Operating system installed *	Windows 11 Pro
		Battery	
		Number of battery cells	3
		Battery capacity *	54 Wh
		Battery voltage	11,4 V
		Battery recharge time	4 h
		Fast charging	✓
		Battery weight	220 g
		Power	
		AC adapter power	130 W
		AC adapter frequency	50/60 Hz
		AC adapter input voltage	100 - 240 V
		USB Type-C charging port *	✓
		USB Power Delivery	✓
		USB charging voltage	20,5 V
		USB charging current	6.5 A
		Security	
		Cable lock slot	✓
		Cable lock slot type	Wedge
		Smart card reader	✓
		Face recognition	✓
		Windows Hello	✓
		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

Graphics		Sustainability	
On-board graphics card family	Intel Arc Graphics	Sustainability compliance	✓
On-board graphics card model *	Intel Arc Graphics	Weight & dimensions	
Audio		Width	321,4 mm
Audio system	MaxxAudio Pro	Depth	212 mm
Number of built-in speakers	2	Height (front)	1,91 cm
Speakers manufacturer	Waves	Height (rear)	2,1 cm
Speaker power	2 W	Weight *	1,4 kg
Built-in microphone	✓	Carbon footprint	
Number of microphones	2	Total carbon footprint (kg of CO2e)	104
Camera		Carbon emissions, manufacturing (kg of CO2e)	75,816
Front camera	✓	Carbon emissions, logistics (kg of CO2e)	4,368
Front camera resolution (numeric)	2,07 MP	Carbon emissions, energy usage (kg of CO2e)	23,296
		Carbon emissions, end-of-life (kg of CO2e)	0,624
		Total carbon emissions, w/o use phase (kg of CO2e)	80,704
		PAIA version	GaBi version 1, 2024



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Catalog Object Cloud



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