



## 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 Grey

Brand : DELL

Product family: Precision

Product code: 9K98M

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	✓
Product colour *	Grey	Front camera resolution (numeric)	2.07 MP
Form factor *	Clamshell	Front camera resolution	1920 x 1080 pixels
Market positioning	Business	Front camera HD type	Full HD
Intel® vPro™ Platform Eligibility	✓	Privacy camera	✓
		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	250 cd/m <sup>2</sup>	Ethernet LAN data rates	10,100,1000 Mbit/s
Pixel density	157 ppi	Bluetooth	✓
Display diagonal (metric)	35.56 cm	MIMO	✓
RGB colour space	NTSC	MIMO type	Multi User MIMO
Colour gamut	45%	Ports & interfaces	
Maximum refresh rate	60 Hz	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Contrast ratio (typical)	600:1	Ethernet LAN (RJ-45) ports	1
Processor		HDMI ports quantity *	1
Processor manufacturer *	Intel	HDMI version	2.1
Processor family *	Intel Core Ultra 7	Thunderbolt 4 ports quantity	2
Processor generation	Intel® Core™ Ultra (Series 1)		
Processor model *	155H		
Processor cores	16		

<b>Processor</b>		<b>Ports &amp; interfaces</b>	
Processor threads	22	Intel® Thunderbolt 4	✓
Processor boost frequency	4.8 GHz	Combo headphone/mic port	✓
Performance cores	6	USB Type-C DisplayPort Alternate Mode	✓
Efficient cores	8	PowerShare	✓
Low Power Efficient-cores	2		
Performance-core Max Turbo Frequency	4.8 GHz	<b>Performance</b>	
Efficient-core Max Turbo Frequency	3.8 GHz	Motherboard chipset	Intel SoC
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Ambient light sensor	✓
Performance-core base frequency	1.4 GHz	<b>Keyboard</b>	
Efficient-core base frequency	0.9 GHz	Pointing device	Touchpad
Low Power Efficient-core Base Frequency	700 MHz	Keyboard language	Nordic
Processor cache	24 MB	Numeric keypad *	✗
Processor cache type	Smart Cache	Keyboard backlit	✓
Processor base power	28 W	<b>Software</b>	
Maximum turbo power	115 W	Operating system architecture	64-bit
<b>Neural processor unit (NPU)</b>		Operating system language	Danish, English, Finnish, Norwegian, Swedish
Neural processor unit (NPU)	Intel AI Boost	Trial software	No Microsoft Office License Included 30 day Trial Offer Only
Maximum frequency NPU	1.4 GHz	Operating system installed *	Windows 11 Pro
Sparsity support	✓	<b>Battery</b>	
Windows Studio effects support	✓	Number of battery cells	3
AI datatype support on NPU	FP16, FP32, Int8	Battery capacity *	54 Wh
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	Battery voltage	11.4 V
<b>Memory</b>		Battery recharge time	4 h
Internal memory *	16 GB	Fast charging	✓
Internal memory type	DDR5-SDRAM	Battery weight	220 g
Memory form factor	SO-DIMM	<b>Power</b>	
Memory layout (slots x size)	1 x 16 GB	AC adapter power	130 W
Memory slots	2x SO-DIMM	AC adapter frequency	50/60 Hz
Maximum internal memory *	64 GB	AC adapter input voltage	100 - 240 V
Memory data transfer rate	5600 MT/s	USB Type-C charging port *	✓
Non-ECC	✓	USB Power Delivery (USB PD) *	✓
<b>Storage</b>		USB charging voltage	20,5 V
Total storage capacity *	512 GB	USB charging current	1.8 A
Storage media *	SSD	<b>Security</b>	
Total SSDs capacity	512 GB	Cable lock slot	✓
Number of SSDs installed	1	Cable lock slot type	Wedge
SSD capacity	512 GB	Smart card reader	✓
SSD memory type	TLC	Trusted Platform Module (TPM)	✓
SSD interface	PCI Express 4.0	Trusted Platform Module (TPM) version	2.0
NVMe	✓	<b>Operational conditions</b>	
SSD form factor	M.2	Operating temperature (T-T)	0 - 35 °C
SSD performance class	35	Storage temperature (T-T)	-40 - 65 °C
M.2 SSD size	2230 (22 x 30 mm)	Operating relative humidity (H-H)	10 - 90%
Optical drive type *	✗	Storage relative humidity (H-H)	0 - 95%
Card reader integrated	✗	Operating altitude	-15.2 - 3048 m
<b>Graphics</b>		Non-operating altitude	-15.2 - 10668 m
Discrete GPU manufacturer	NVIDIA	Operating shock	110 G
Discrete graphics card model *	NVIDIA RTX 500 Ada	Non-operating shock	160 G
Discrete graphics card memory	4 GB	Operating vibration	0.66 G
Discrete graphics memory type	GDDR6	Non-operating vibration	1.3 G
On-board graphics card *	✓	<b>Weight &amp; dimensions</b>	
On-board GPU manufacturer	Intel	Width	321.4 mm
Discrete graphics card *	✓	Depth	212 mm
On-board graphics card family	Intel Arc Graphics		

Graphics		Weight & dimensions	
On-board graphics card model *	Intel Arc Graphics	Height (front)	1.91 cm
Audio		Height (rear)	2.1 cm
Audio system	MaxxAudio Pro	Weight *	1.4 kg
Number of built-in speakers	2	Carbon footprint	
Speakers manufacturer	Waves	Total carbon footprint (kg of CO2e)	104
Speaker power	2 W	Carbon emissions, manufacturing (kg of CO2e)	76
Built-in microphone	✓	Carbon emissions, logistics (kg of CO2e)	4
Number of microphones	2	Carbon emissions, energy usage (kg of CO2e)	23
		Carbon emissions, end-of-life (kg of CO2e)	1
		Total carbon emissions, w/o use phase (kg of CO2e)	81
		PAIA version	GaBi version 1, 2024



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