DELL Pro Rugged 14 RB14250 Intel Core Ultra 5 135U Laptop 35.6 cm (14") Full HD 16 GB DDR5-SDRAM 512 GB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Black US English

Brand : DELL

Product code: P1K9G

Product name : Pro Rugged 14 RB14250

- Windows 11 Pro 64-bit
- Intel Core Ultra 5 135U (12MB Cache)
- 35.6 cm (14") Full HD 1920 x 1080 WVA
- 16GB DDR5-SDRAM (2 x 8) & 512GB SSD

Intel Core Ultra 5 135U (12MB Cache), 16GB DDR5-SDRAM, 512GB SSD, 35.6 cm (14") Full HD 1920 x 1080 WVA, Intel Graphics, LAN, WLAN, Webcam, Windows 11 Pro 64-bit

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AI performance in the field
14 inch semi-rugged laptop that's lightweight and features Intel® Core™ Ultra processors for AI performance in the field.
DELL Pro Rugged 14 RB14250. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 5, Processor model: 135U. 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® Graphics. Operating system installed: Windows 11 Pro. Product colour: Black. Weight: 2.04 kg

Design	
Product type *	Laptop
Product colour *	Black
Form factor *	Clamshell
Rugged design	✔
Display	
Display diagonal *	35.6 cm (14")
Display resolution *	1920 x 1080 pixels
Touchscreen *	✘
HD type	Full HD
Panel type	WVA
Native aspect ratio	16:9
Anti-glare screen	✔
Display brightness	400 cd/m²
Pixel density	157 ppi
RGB colour space	sRGB
Colour gamut	100%
Low Blue Light technology	✔
Maximum refresh rate	60 Hz
Contrast ratio (typical)	1500:1
Processor	
Processor manufacturer *	Intel
Processor family *	Intel Core Ultra 5
Processor generation	Intel® Core™ Ultra (Series 1)
Processor model *	135U
Processor cores	12
Processor threads	14
Processor boost frequency	4.4 GHz
Performance cores	2
Efficient cores	8
Low Power Efficient-cores	2

Camera	
Video capturing speed	30 fps
Network	
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Wi-Fi standards	Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax)
Mobile network connection *	✘
Antenna type	2x2
WLAN controller model	Intel Wi-Fi 6E AX211
WLAN controller manufacturer	Intel
Ethernet LAN	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth	✔
MIMO	✔
MIMO type	Multi User MIMO
Ports & interfaces	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
HDMI version	2.1
Thunderbolt 4 ports quantity	1
Intel® Thunderbolt 4	✔
Combo headphone/mic port	✔
USB Type-C DisplayPort Alternate Mode	✔
Performance	
Hall sensor	✔
Keyboard	
Pointing device	Touchpad

Processor	
Performance-core Max Turbo Frequency	4.4 GHz
Efficient-core Max Turbo Frequency	3.6 GHz
Low Power Efficient-core Max Turbo Frequency	2.1 GHz
Performance-core base frequency	1.6 GHz
Efficient-core base frequency	1.1 GHz
Low Power Efficient-core Base Frequency	700 MHz
Processor cache	12 MB
Processor cache type	Smart Cache
Processor base power	15 W
Maximum turbo power	57 W

Neural processor unit (NPU)	
Neural processor unit (NPU)	Intel AI Boost
Sparsity support	✔
Windows Studio effects support	✔
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)	2 x 8 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
SSD capacity	512 GB
SSD interface	PCI Express 4.0
NVMe	✔
SSD form factor	M.2
SSD performance class	35
M.2 SSD size	2230 (22 x 30 mm)
Optical drive type *	✘
Card reader integrated	✔
Compatible memory cards	MicroSD (TransFlash), MicroSDHC, MicroSDXC

Graphics	
Discrete graphics card model *	Not available
On-board graphics card *	✔
On-board GPU manufacturer	Intel
Discrete graphics card *	✘
On-board graphics card family	Intel® Graphics
On-board graphics card model *	Intel® Graphics

Audio	
Audio chip	Realtek ALC3254
Number of built-in speakers	2
Speaker power	2 W
Built-in microphone	✔
Number of microphones	2

Keyboard	
Numeric keypad *	✘
Keyboard backlit	✔
Keyboard backlit colour	RGB
Keyboard language	US English
Copilot key	✔

Software	
Operating system architecture	64-bit
Trial software	Activate Your Microsoft 365 For A 30 Day Trial
Operating system installed *	Windows 11 Pro
Bundled software	Dell Additional Software

Brand-specific features	
Brand specific technologies	Express Charge Boost capable

Battery	
Number of battery cells	3
Battery capacity *	53.5 Wh
Battery voltage	11.4 V
Battery recharge time	2 h
Fast charging	✔
Battery weight	265 g

Power	
AC adapter power	65 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
AC adapter output current	1.7 A
AC adapter output voltage	20 V
USB Type-C charging port *	✔
USB Power Delivery (USB PD)	✔
USB charging voltage	5,9,15,20 V
USB charging current	3.25 A

Security	
Trusted Platform Module (TPM)	✔
Trusted Platform Module (TPM) version	2.0

Operational conditions	
Operating temperature (T-T)	-29 - 63 °C
Storage temperature (T-T)	-51 - 71 °C
Operating relative humidity (H-H)	10 - 95%
Storage relative humidity (H-H)	5 - 95%
Operating altitude	0 - 12192 m
Non-operating altitude	0 - 12192 m
Operating shock	160 G
Non-operating shock	185 G
Operating vibration	1.08 G
Non-operating vibration	7.7 G

Weight & dimensions	
Width	340 mm
Depth	200 mm
Height	33.6 mm
Weight *	2.04 kg

Carbon footprint	
Total carbon footprint (kg of CO2e)	494
Total carbon emissions, standard deviation (kg of CO2e)	100
Carbon emissions, manufacturing (kg of CO2e)	422.37

Camera	
Front camera	✔
Front camera resolution (numeric)	0.92 MP
Front camera resolution	1280 x 720 pixels
Front camera HD type	HD

Carbon footprint	
Carbon emissions, logistics (kg of CO2e)	12.84
Carbon emissions, energy usage (kg of CO2e)	57.3
Carbon emissions, end-of-life (kg of CO2e)	1.48
PAIA version	PAIA 1.4.2, 2024

Packaging content	
AC adapter included *	✔

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