![DELL]

DELL Pro 14 Plus PB14250 Intel Core Ultra 7 255U Laptop 35.6 cm (14") Full HD+ 16 GB DDR5-SDRAM 512 GB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Aluminium
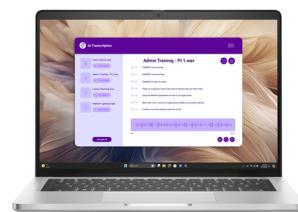
Brand : DELL

Product family: Pro

Product code:
BTO110_PB14250_EMEA

Product name : PB14250

DELL Pro 14 Plus PB14250. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 255U. Display diagonal: 35.6 cm (14"), HD type: Full HD+, Display resolution: 1920 x 1200 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: Aluminium. Weight: 1.53 kg

Design

Product type *	Laptop
Product colour *	Aluminium
Form factor *	Clamshell
Housing material	Aluminium

Display

Display diagonal *	35.6 cm (14")
Display resolution *	1920 x 1200 pixels
Touchscreen *	✗
HD type	Full HD+
Panel type	IPS
Native aspect ratio	16:10
Anti-glare screen	✔
Display brightness	300 cd/m²
Pixel density	162 ppi
RGB colour space	NTSC
Colour gamut	45%
Maximum refresh rate	60 Hz
Contrast ratio (typical)	600:1

Processor

Processor manufacturer *	Intel
Processor family *	Intel Core Ultra 7
Processor generation	Intel Core Ultra (Series 2)
Processor model *	255U
Processor cores	12
Processor threads	14
Processor boost frequency	5.2 GHz
Performance cores	2
Efficient cores	8
Low Power Efficient-cores	2
Performance-core Max Turbo Frequency	5.2 GHz
Efficient-core Max Turbo Frequency	4.2 GHz
Low Power Efficient-core Max Turbo Frequency	2.4 GHz

Camera

Video capturing speed	30 fps
Infrared (IR) camera	✔

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 *	✗
Wi-Fi band	Tri-band (2.4 GHz / 5 GHz / 6 GHz)
Antenna type	2x2
WLAN controller model	Intel Wi-Fi 6E AX211
WLAN controller manufacturer	Intel
Bluetooth	✔

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
HDMI ports quantity *	1
HDMI version	2.1
Thunderbolt 4 ports quantity	2
Intel® Thunderbolt 4	✔
Combo headphone/mic port	✔
USB Type-C DisplayPort Alternate Mode	✔
PowerShare	✔
Number of USB ports with PowerShare support	1

Keyboard

Pointing device	Touchpad
Numeric keypad *	✗
Keyboard backlit	✔

Software

Operating system architecture	64-bit

Processor

Performance-core base frequency	2 GHz
Efficient-core base frequency	1.7 GHz
Low Power Efficient-core Base Frequency	700 MHz
Processor cache	12 MB
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
NPU performance up to	12 TOPs

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

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
Optical drive type *	✘

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	Cirrus Logic CS42L43
Number of built-in speakers	2
Speaker power	2.5 W
Built-in microphone	✔
Number of microphones	2

Camera

Front camera	✔
Front camera resolution (numeric)	2.07 MP
Front camera resolution	1920 x 1080 pixels
Front camera HD type	Full HD

Software

Trial software	McAfee Business Protection 1-year,No Microsoft Office License included (Fed and Premier, Exception Only)
Operating system installed *	Windows 11 Pro

Battery

Number of battery cells	3
Battery recharge time	4 h
Fast charging	✔
Battery charge indicator	✔

Power

AC adapter power	65 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
USB Type-C charging port *	✔
USB Type-C required charging power (min) *	27 W
USB Power Delivery (USB PD)	✔
USB charging voltage	5,9,15,20 V

Security

Cable lock slot	✔
Cable lock slot type	Wedge
Fingerprint reader	✔
Smart card reader	✔
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

Weight & dimensions

Width	224 mm
Depth	313.5 mm
Height	21.2 mm
Height (front)	1.95 cm
Height (rear)	2 cm
Weight *	1.53 kg

Carbon footprint

Total carbon footprint (kg of CO2e)	108
Carbon emissions, manufacturing (kg of CO2e)	76.896
Carbon emissions, logistics (kg of CO2e)	4.536
Carbon emissions, energy usage (kg of CO2e)	24.516
Carbon emissions, end-of-life (kg of CO2e)	2.052
PAIA version	GaBi version 1, 2024

Packaging content

AC adapter included *	✔

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