![DELL logo]

DELL Pro 16 Plus PB16250 Intel Core Ultra 7 268V Laptop 40.6 cm (16") Full HD+ 32 GB LPDDR5x-SDRAM 1 TB SSD Wi-Fi 7 (802.11be) Windows 11 Pro Aluminium

Brand : DELL   **Product family:** Pro   **Product code:** 8V43M
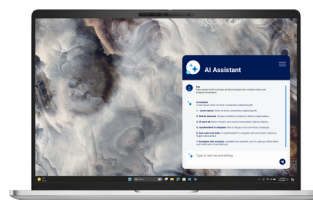
Product name : PB16250

- Windows 11 Pro 64-bit
- Intel Core Ultra 7 268V (12MB Cache)
- 40.6 cm (16") Full HD+ 1920 x 1200 IPS
- 32GB LPDDR5x-SDRAM & 1000GB SSD
Intel Core Ultra 7 268V (12MB Cache), 32GB LPDDR5x-SDRAM, 1000GB SSD, 40.6 cm (16") Full HD+ 1920 x 1200 IPS, Intel Arc Graphics 140V, WLAN, Webcam, Windows 11 Pro 64-bit

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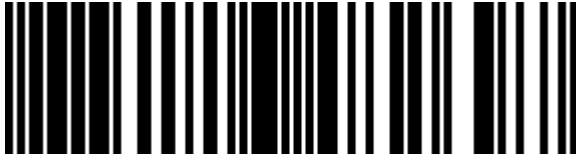
16-inch laptop designed with sleek aluminum and a variety of scalable configurations, such as Copilot+ PC options with a built-in AI chip powered by Intel® Core™ Ultra processors.
DELL Pro 16 Plus PB16250. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 268V. Display diagonal: 40.6 cm (16"), 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 140V. Operating system installed: Windows 11 Pro. Product colour: Aluminium. Weight: 1.84 kg

Design

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

Display

Display diagonal *	40.6 cm (16")
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	142 ppi
RGB colour space	NTSC
Colour gamut	45%
Maximum refresh rate	60 Hz
Contrast ratio (typical)	1000:1

Processor

Processor manufacturer *	Intel
Processor family *	Intel Core Ultra 7
Processor generation	Intel Core Ultra (Series 2)
Processor model *	268V
Processor cores	8
Processor threads	8
Processor boost frequency	5 GHz
Performance cores	4
Low Power Efficient-cores	4
Performance-core Max Turbo Frequency	5 GHz
Low Power Efficient-core Max Turbo Frequency	3.7 GHz

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	✔
Video capturing speed	30 fps

Network

Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
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)
Mobile network connection *	✘
Wi-Fi band	Tri-band (2.4 GHz / 5 GHz / 6 GHz)
Wi-Fi data rate (max)	5760 Mbit/s
Antenna type	2x2
WLAN controller model	Intel Wi-Fi 7 BE201
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	✔

Processor

Performance-core base frequency	2.2 GHz
Low Power Efficient-core Base Frequency	2200 MHz
Processor cache	12 MB
Processor cache type	Smart Cache
Processor base power	17 W
Maximum turbo power	37 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, OpenVINO, Windows ML, ONNX RT, WebNN
Total processor performance up to	118 TOPs
NPU performance up to	48 TOPs
GPU performance up to	66 TOPs

Memory

Internal memory *	32 GB
Internal memory type	LPDDR5x-SDRAM
Memory form factor	On-board
Maximum internal memory *	32 GB
Memory data transfer rate	8533 MT/s

Storage

Total storage capacity *	1 TB
Storage media *	SSD
Total SSDs capacity	1 TB
Number of SSDs installed	1
SSD capacity	1 TB
SSD interface	PCI Express 4.0
NVMe	✔
SSD form factor	M.2
Optical drive type *	✘
Card reader integrated	✔
Compatible memory cards	MicroSD (TransFlash)

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 Arc Graphics
On-board graphics card model *	Intel Arc Graphics 140V

Ports & interfaces

Number of USB ports with PowerShare support	1

Keyboard

Pointing device	Touchpad
Numeric keypad *	✔

Software

Operating system architecture	64-bit
Operating system installed *	Windows 11 Pro

Battery

Number of battery cells	3
Fast charging	✔
Battery charge indicator	✔

Power

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

Security

Cable lock slot	✔
Cable lock slot type	Wedge
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	358 mm
Depth	251.4 mm
Height	21.4 mm
Height (front)	1.99 cm
Height (rear)	2.06 cm
Weight *	1.84 kg

Packaging content

AC adapter included *	✔

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