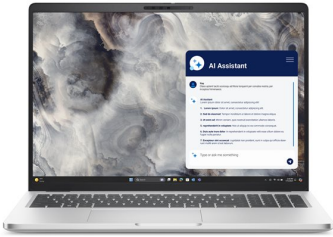


Dell Pro 16 Plus PB16250(W1XHF)

Dell Pro 16 Plus PB16250 - Intel Core Ultra 7 - 255U / up to 5.2 GHz - Win 11 Pro - Intel Graphics - 16 GB RAM - 512 GB SSD NVMe - 16" IPS 1920 x 1200 (Full HD Plus) - Gigabit Ethernet - Wi-Fi 6E, NFC - platinum silver - BTS - with 1 Year Basic Onsite Service after remote diagnosis with Hardware-Only Support - Distl SnS



The Dell Pro 16 Plus PB16250 is designed for users demanding performance and efficiency. Equipped with a powerful Intel Core Ultra 7 processor, this notebook features 8 cores and a maximum turbo speed of 5 GHz, ensuring quick application launches and responsiveness for multitasking. With 16 GB of LPDDR5X SDRAM, it provides ample memory for demanding tasks while the 512 GB PCIe NVMe SSD offers fast storage access and reliability.

A stunning 16-inch display with a native resolution of 1920 x 1200 delivers vibrant visuals, while the IPS technology ensures wide viewing angles for effective collaboration. The device also includes advanced audio and video capabilities with dual noise-canceling microphones, stereo speakers, and a high-quality webcam featuring face recognition and temporal noise reduction. The Dell Pro 16 Plus PB16250 combines performance, versatility, and security, making it suitable for both professional work and personal use.

Key Selling Points

- Powerful Intel Core Ultra 7 processor with 8 cores and 5 GHz turbo speed
- 16-inch Full HD Plus display with IPS technology for superior visuals
- 512 GB PCIe NVMe SSD for fast data access and storage
- Advanced webcam with face recognition and infrared capabilities
- Robust security features including a discrete Trusted Platform Module

Product Features

Efficient storage

The 512 GB PCIe NVMe SSD provides ample space and quick access to files, enhancing productivity with rapid boot times and application launches.

Immersive display

The 16-inch screen with a native resolution of 1920 x 1200 and wide viewing angles allows for comfortable viewing, making it ideal for presentations and content creation.

Enhanced audio and video

Featuring dual noise-canceling microphones and stereo speakers, the device ensures clear communication during calls, complemented by a high-quality webcam with advanced features.

Robust security

Equipped with a discrete Trusted Platform Module (TPM 2.0) security chip, the notebook provides secure authentication and data encryption.

Versatile connectivity

Multiple USB ports, HDMI connectivity, and support for Wi-Fi 6 and Wi-Fi 7 protocols allow for seamless integration with various devices and networks.

Main Specifications

Product Description	Dell Pro 16 Plus PB16250 - 16" - Intel Core Ultra 7 - 255U - 16 GB RAM - 512 GB SSD
Product Type	Notebook
Operating System	Win 11 Pro
Processor	Intel Core Ultra 7 (Series 2) - 255U / 2 GHz, up to 5.2 GHz / 12 MB Cache
Neural Processor Unit (NPU)	Intel AI Boost - up to 12 TOPS
Memory	16 GB DDR5 (1 x 16 GB)
Storage	512 GB SSD - NVMe
Display	16" WLED 1920 x 1200 / Full HD Plus @ 60 Hz - 142 ppi
Graphics	Intel Graphics
Keyboard Backlight	Yes

Numeric Keypad	Yes
Integrated Webcam	Yes
Networking	Bluetooth, 802.11a/b/g/n/ac/ax (Wi-Fi 6E), NFC, Gigabit Ethernet
Battery	3-cell
Security	Discrete Trusted Platform Module (TPM 2.0) Security Chip, fingerprint reader, smart card reader, contactless smart card reader
Colour	Platinum silver
Dimensions (WxDxH)	35.8 cm x 25.14 cm x 2.135 cm
Weight	1.84 kg
Pricing Type	Build To Stock (BTS)
Manufacturer Selling Program	Dell Smart Selection
Environmental Standards	ENERGY STAR Qualified EPEAT Gold
Carbon Footprint	97.9 kg carbon emissions
Bundled Services	1 Year Basic Onsite Service after remote diagnosis with Hardware-Only Support - Distri SnS

Extended Specification

General

Product Type	Notebook
Operating System	Windows 11 Pro

Memory

RAM	16 GB (1 x 16 GB)
Max RAM Supported	64 GB
Technology	DDR5 SDRAM
Speed	5600 MT/s
Rated Speed	5600 MT/s
Form Factor	SO-DIMM 262-pin
Slots Qty	2
Empty Slots	1

Manufacturer Warranty

Bundled Services	1 Year Basic Onsite Service after remote diagnosis with Hardware-Only Support - Distri SnS
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Storage

Main Storage	512 GB SSD M.2 2230 PCIe 4.0 - NVMe Express (NVMe)
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Miscellaneous

Colour	Platinum silver
Case Material	Aluminum
Security	Discrete Trusted Platform Module (TPM 2.0) Security Chip, fingerprint reader, smart card reader, contactless smart card reader
Features	ExpressCharge, ExpressChargeBoost, Dell ControlVault 3 +
Theft/Intrusion Protection	Security lock slot (cable lock sold separately)
Security Slot Type	Wedge-shaped security slot
Included Accessories	USB-C power adapter, POD Label
Compliant Standards	FIPS 140-2, TCG Certified
Pricing Type	Build To Stock (BTS)
Manufacturer Selling Program	Dell Smart Selection

Environmental Parameters

Min Operating Temperature	0 °C
Max Operating Temperature	35 °C
Humidity Range Operating	10 - 90% (non-condensing)
Shock Tolerance (operating)	110 g @ 2 ms half-sine pulse
Shock Tolerance (non-operating)	160 g @ 2 ms half-sine pulse
Vibration Tolerance (operating)	0.66 g @ RMS (random)
Vibration Tolerance (non-operating)	1.3 g @ RMS (random)

Software

Software Included	Intel Rapid Storage Technology, Dell Additional Softwares, Activate your Microsoft 365 for a 30 day trial
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Display

Type	16" - IPS
LCD Backlight Technology	WLED backlight
Resolution	1920 x 1200 (Full HD Plus)
V-Sync Rate at Max Res.	60 Hz
Widescreen	Yes
Pixel Density (ppi)	142
Image Aspect Ratio	16:10
Image Brightness	300 cd/m ²
Horizontal Viewing Angle	+80 / -80
Vertical Viewing Angle	+80 / -80
Colour Gamut	45% NTSC
Features	Anti-glare, Wide Viewing Angle, 35 ms response rate, 0.18 mm pixel pitch

Battery

Technology	3-cell Lithium Ion
Weight	220 g
Capacity	55 Wh

Communications

Wireless	Bluetooth, 802.11a/b/g/n/ac/ax (Wi-Fi 6E), NFC
Wireless Controller	Intel Wi-Fi 6E AX 211 - M.2 2230
Network Interface	Gigabit Ethernet
Ethernet Controller	Intel I219-LM
Features	Dual stream (2x2)

Dimensions & Weight

Dimensions (WxDxH)	35.8 cm x 25.14 cm x 2.135 cm
Weight	1.84 kg

Processor / Chipset

CPU	Intel Core Ultra 7 (Series 2) 255U / 2 GHz
Max Turbo Speed	5.2 GHz
Number of Cores	12-core
Performance Cores	2
Efficient Cores	10
Cache	12 MB

Features	14 Threads
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Audio & Video

Graphics Processor	Intel Graphics
Camera	Yes - 1920 x 1080 (standard), 640 x 360 (infrared)
Resolution	2.07 Megapixel (standard), 0.23 Megapixel (infrared)
Image Sensor Type	CMOS
Video Resolutions	1920 x 1080
Frame Rate	30 frames per second
Camera Features	HDR (High Dynamic Range), face recognition, IR camera, RGB camera, Temporal Noise Reduction, 86.6 degrees (IR camera), camera shutter
Sound	Stereo speakers, 2 array microphones
Codec	CS42L43

Input

Type	Keyboard, touchpad
Keyboard Backlight	Yes
Numeric Keypad	Yes
Features	Copilot key

AC Adapter

Input	AC 100-240 V (50/60 Hz)
Output	65 Watt, 5/9/15/20 V

Connections & Expansion

Interfaces Details	LAN 2 x USB4 (supports Thunderbolt 4, DisplayPort 2.1 Alt Mode) (Power Delivery) USB 3.2 Gen 1 (PowerShare) USB 3.2 Gen 1 Headphone/microphone combo jack HDMI
Memory Card Reader	Yes (microSD, microSDHC, microSDXC)

Sustainability Information

EPEAT Compliant	EPEAT Gold
ENERGY STAR Certified	Yes
Carbon Footprint	97.9 kg carbon emissions
Manufacturing (kg CO2e)	70
Logistics (kg CO2e)	5
Use (kg CO2e)	19
EOL (kg CO2e)	3
Total Carbon w/o Use Phase (kg CO2e)	78

Neural Processor Unit (NPU)

Neural Processor Unit (NPU)	Intel AI Boost
NPU Performance Up To (TOPS)	12 TOPS
AI Datatype Support on NPU	INT8
Sparsity Support	Yes
AI Software Frameworks Supported by NPU	DirectML, OpenVINO, WindowsML, ONNX RT
Windows Studio Effects Support	Yes

What's in the box

Dell Pro 16 Plus PB16250
USB-C power adapter, POD Label

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