



DELL Pro 16 Plus PB16250 Intel Core Ultra 7 255U Laptop 40.6 cm (16") Full HD+ 16 GB DDR5-SDRAM 512 GB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Aluminium

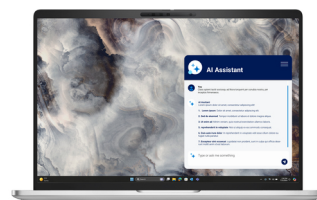
Brand : DELL

Product family: Pro

Product code:
BTO105_PB16250_EMEA

Product name : PB16250

DELL Pro 16 Plus PB16250. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 255U. Display diagonal: 40.6 cm (16"), 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: 1.84 kg



Design		Audio	
Product type *	Laptop	Speaker power	2.5 W
Product colour *	Aluminium	Built-in microphone	✓
Form factor *	Clamshell	Number of microphones	2
Housing material	Aluminium	Camera	
Display		Front camera	✓
Display diagonal *	40.6 cm (16")	Front camera resolution (numeric)	2.07 MP
Display resolution *	1920 x 1200 pixels	Front camera resolution	1920 x 1080 pixels
Touchscreen *	✗	Front camera HD type	Full HD
HD type	Full HD+	Video capturing speed	30 fps
Panel type	IPS	Infrared (IR) camera	✓
Native aspect ratio	16:10	Network	
Anti-glare screen	✓	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Display brightness	300 cd/m²	Wi-Fi standards	Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax)
Pixel density	142 ppi	Mobile network connection *	✗
RGB colour space	NTSC	Wi-Fi band	Tri-band (2.4 GHz / 5 GHz / 6 GHz)
Colour gamut	45%	Antenna type	2x2
Maximum refresh rate	60 Hz	WLAN controller model	Intel Wi-Fi 6E AX211
Contrast ratio (typical)	1000:1	WLAN controller manufacturer	Intel
Processor		Bluetooth	✓
Processor manufacturer *	Intel	Ports & interfaces	
Processor family *	Intel Core Ultra 7	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor generation	Intel Core Ultra (Series 2)	HDMI ports quantity *	1
Processor model *	255U	HDMI version	2.1
Processor cores	12	Thunderbolt 4 ports quantity	2
Processor threads	14	Intel® Thunderbolt 4	✓
Processor boost frequency	5.2 GHz	Combo headphone/mic port	✓
Performance cores	2	USB Type-C DisplayPort Alternate Mode	✓
Efficient cores	8		
Low Power Efficient-cores	2		
Performance-core Max Turbo Frequency	5.2 GHz		
Efficient-core Max Turbo Frequency	4.2 GHz		

Processor		Ports & interfaces	
Low Power Efficient-core Max Turbo Frequency	2.4 GHz	PowerShare	✓
Performance-core base frequency	2 GHz	Number of USB ports with PowerShare support	1
Efficient-core base frequency	1.7 GHz	Keyboard	
Low Power Efficient-core Base Frequency	700 MHz	Pointing device	Touchpad
Processor cache	12 MB	Numeric keypad *	✓
Processor base power	15 W	Keyboard backlit	✓
Maximum turbo power	57 W	Software	
Neural processor unit (NPU)		Operating system architecture	64-bit
Neural processor unit (NPU)	Intel AI Boost	Trial software	McAfee Business Protection 1-year, Microsoft Office Trial
Sparsity support	✓	Operating system installed *	Windows 11 Pro
Windows Studio effects support	✓	Battery	
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	Number of battery cells	3
NPU performance up to	12 TOPs	Fast charging	✓
Memory		Battery charge indicator	✓
Internal memory *	16 GB	Power	
Internal memory type	DDR5-SDRAM	AC adapter power	65 W
Memory form factor	SO-DIMM	AC adapter frequency	50 - 60 Hz
Memory layout (slots x size)	1 x 16 GB	AC adapter input voltage	100 - 240 V
Memory slots	2x SO-DIMM	USB Type-C charging port *	✓
Maximum internal memory *	64 GB	USB Power Delivery (USB PD)	✓
Memory data transfer rate	5600 MT/s	USB charging voltage	5,9,15,20 V
Storage		Security	
Total storage capacity *	512 GB	Cable lock slot	✓
Storage media *	SSD	Cable lock slot type	Wedge
Total SSDs capacity	512 GB	Fingerprint reader	✓
Number of SSDs installed	1	Smart card reader	✓
SSD capacity	512 GB	Trusted Platform Module (TPM)	✓
SSD interface	PCI Express 4.0	Trusted Platform Module (TPM) version	2.0
NVMe	✓	Operational conditions	
SSD form factor	M.2	Operating temperature (T-T)	0 - 35 °C
Optical drive type *	✗	Storage temperature (T-T)	-40 - 65 °C
Card reader integrated	✓	Operating relative humidity (H-H)	10 - 90%
Compatible memory cards	MicroSD (TransFlash)	Storage relative humidity (H-H)	0 - 95%
Graphics		Operating altitude	-15.2 - 3048 m
Discrete graphics card model *	Not available	Non-operating altitude	-15.2 - 10668 m
On-board graphics card *	✓	Operating shock	110 G
On-board GPU manufacturer	Intel	Non-operating shock	160 G
Discrete graphics card *	✗	Operating vibration	0.66 G
On-board graphics card family	Intel Graphics	Non-operating vibration	1.3 G
On-board graphics card model *	Intel Graphics	Weight & dimensions	
Audio		Width	358 mm
Audio chip	Cirrus Logic CS42L43	Depth	251.4 mm
Number of built-in speakers	2	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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