



DELL Pro 16 Plus PB16250 Copilot+ PC Intel Core Ultra 7 266V Laptop 40.6 cm (16") Full HD+ 16 GB LPDDR5x-SDRAM 512 GB SSD Wi-Fi 7 (802.11be) Windows 11 Pro Aluminium

Brand : DELL

Product family: Pro

Product code:
BTO209_PB16250_EMEA

Product name : PB16250

DELL Pro 16 Plus PB16250. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 266V. Display diagonal: 40.6 cm (16"), HD type: Full HD+, Display resolution: 1920 x 1200 pixels. Internal memory: 16 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 512 GB, 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		Network	
Product type *	Laptop	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Product colour *	Aluminium	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)
Form factor *	Clamshell		
Housing material	Aluminium	Mobile network connection *	✗
Intel® vPro™ Platform Eligibility	✓	Wi-Fi band	Tri-band (2.4 GHz / 5 GHz / 6 GHz)
Display		Wi-Fi data rate (max)	5760 Mbit/s
Display diagonal *	40.6 cm (16")	Antenna type	2x2
Display resolution *	1920 x 1200 pixels	WLAN controller model	Intel Wi-Fi 7 BE201
Touchscreen *	✗	WLAN controller manufacturer	Intel
HD type	Full HD+	Bluetooth	✓
Panel type	IPS	Ports & interfaces	
Native aspect ratio	16:10	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Anti-glare screen	✓	HDMI ports quantity *	1
Display brightness	300 cd/m²	HDMI version	2.1
Pixel density	142 ppi	Thunderbolt 4 ports quantity	2
RGB colour space	NTSC	Intel® Thunderbolt 4	✓
Colour gamut	45%	Combo headphone/mic port	✓
Maximum refresh rate	60 Hz	USB Type-C DisplayPort Alternate Mode	✓
Contrast ratio (typical)	1000:1	PowerShare	✓
Processor		Number of USB ports with PowerShare support	1
Processor manufacturer *	Intel	Keyboard	
Processor family *	Intel Core Ultra 7	Pointing device	Touchpad
Processor generation	Intel Core Ultra (Series 2)	Numeric keypad *	✓
Processor model *	266V	Keyboard backlit	✓
Processor cores	8	Copilot key	✓
Processor threads	8	Software	
Processor boost frequency	5 GHz	Operating system architecture	64-bit
Performance cores	4	Trial software	Microsoft Office Trial
Low Power Efficient-cores	4	Operating system installed *	Windows 11 Pro
Performance-core Max Turbo Frequency	5 GHz		
Low Power Efficient-core Max Turbo Frequency	3.7 GHz		
Performance-core base frequency	2.2 GHz		

Processor		Brand-specific features	
Low Power Efficient-core Base Frequency	2200 MHz	Brand specific technologies	Control Vault 3+, TNR
Processor cache	12 MB	Battery	
Processor cache type	Smart Cache	Number of battery cells	3
Processor base power	17 W	Battery capacity *	55 Wh
Maximum turbo power	37 W	Fast charging	✓
Neural processor unit (NPU)		Battery charge indicator	✓
Copilot+ PC	✓	Power	
Neural processor unit (NPU)	Intel AI Boost	AC adapter power	65 W
Sparsity support	✓	AC adapter frequency	50 - 60 Hz
Windows Studio effects support	✓	AC adapter input voltage	100 - 240 V
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	USB Type-C charging port *	✓
Total processor performance up to	118 TOPs	USB Type-C required charging power (min) *	27 W
NPU performance up to	48 TOPs	USB Type-C required charging power (max) *	65 W
GPU performance up to	66 TOPs	USB Power Delivery (USB PD)	✓
Memory		USB charging voltage	5,9,15,20 V
Internal memory *	16 GB	Security	
Internal memory type	LPDDR5x-SDRAM	Cable lock slot	✓
Memory form factor	On-board	Cable lock slot type	Wedge
Maximum internal memory *	16 GB	Fingerprint reader	✓
Memory data transfer rate	8533 MT/s	Face recognition	✓
Storage		Trusted Platform Module (TPM)	✓
Total storage capacity *	512 GB	Trusted Platform Module (TPM) version	2.0
Storage media *	SSD	Operational conditions	
Total SSDs capacity	512 GB	Operating temperature (T-T)	0 - 35 °C
Number of SSDs installed	1	Storage temperature (T-T)	-40 - 65 °C
SSD capacity	512 GB	Operating relative humidity (H-H)	10 - 90%
SSD interface	PCI Express 4.0	Storage relative humidity (H-H)	0 - 95%
NVMe	✓	Operating altitude	-15.2 - 3048 m
SSD form factor	M.2	Non-operating altitude	-15.2 - 10668 m
Optical drive type *	✗	Operating shock	110 G
Card reader integrated	✓	Non-operating shock	160 G
Compatible memory cards	MicroSD (TransFlash)	Operating vibration	0.66 G
Graphics		Non-operating vibration	1.3 G
Discrete graphics card model *	Not available	Weight & dimensions	
On-board graphics card *	✓	Width	358 mm
On-board GPU manufacturer	Intel	Depth	251.4 mm
Discrete graphics card *	✗	Height	21.4 mm
On-board graphics card family	Intel Arc Graphics	Height (front)	1.99 cm
On-board graphics card model *	Intel Arc Graphics 140V	Height (rear)	2.06 cm
Audio		Weight *	1.84 kg
Audio chip	Cirrus Logic CS42L43	Carbon footprint	
Number of built-in speakers	2	Total carbon footprint (kg of CO2e)	116
Speaker power	2 W	Carbon emissions, manufacturing (kg of CO2e)	88.51
Built-in microphone	✓	Carbon emissions, logistics (kg of CO2e)	5.45
Number of microphones	2	Carbon emissions, energy usage (kg of CO2e)	19.37
Camera		Carbon emissions, end-of-life (kg of CO2e)	2.55
Front camera	✓	PAIA version	GaBi version 1, 2024
Front camera resolution (numeric)	2.07 MP	Packaging content	
Front camera resolution	1920 x 1080 pixels	AC adapter included *	✓
Front camera HD type	Full HD		
Video capturing speed	30 fps		
Infrared (IR) camera	✓		



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