



DELL Pro 16 Plus PB16250 Intel Core Ultra 5 235U Laptop 40.6 cm (16") Full HD+ 16 GB DDR5-SDRAM 512 GB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Aluminium German

Brand : DELL

Product family: Pro

Product code: 2HT48

Product name : PB16250

DELL Pro 16 Plus PB16250. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 5, Processor model: 235U. 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		Network	
Product type *	Laptop	Mobile network connection *	✗
Product colour *	Aluminium	Wi-Fi band	Tri-band (2.4 GHz / 5 GHz / 6 GHz)
Form factor *	Clamshell	Wi-Fi data rate (max)	2400 Mbit/s
Housing material	Aluminium	Antenna type	2x2
Intel® vPro™ Platform Eligibility	✓	WLAN controller model	Intel Wi-Fi 6E AX211
Display		WLAN controller manufacturer	Intel
Display diagonal *	40.6 cm (16")	Ethernet LAN	✓
Display resolution *	1920 x 1200 pixels	Ethernet LAN data rates	10,100,1000 Mbit/s
Touchscreen *	✗	Bluetooth	✓
HD type	Full HD+	Near Field Communication (NFC)	✓
Panel type	IPS	WWAN	Upgradable
Native aspect ratio	16:10	Ports & interfaces	
Anti-glare screen	✓	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Display brightness	300 cd/m²	Ethernet LAN (RJ-45) ports	1
Pixel density	142 ppi	HDMI ports quantity *	1
RGB colour space	NTSC	HDMI version	2.1
Colour gamut	45%	Thunderbolt 4 ports quantity	2
Maximum refresh rate	60 Hz	Intel® Thunderbolt 4	✓
Contrast ratio (typical)	1000:1	Combo headphone/mic port	✓
Processor		USB Type-C DisplayPort Alternate Mode	✓
Processor manufacturer *	Intel	PowerShare	✓
Processor family *	Intel Core Ultra 5	Number of USB ports with PowerShare support	1
Processor generation	Intel Core Ultra (Series 2)	Keyboard	
Processor model *	235U	Pointing device	Touchpad
Processor cores	12	Numeric keypad *	✓
Processor threads	14	Keyboard backlit	✓
Processor boost frequency	4.9 GHz	Keyboard language	German
Performance cores	2	Copilot key	✓
Efficient cores	8	Software	
Low Power Efficient-cores	2	Operating system architecture	64-bit
Performance-core Max Turbo Frequency	4.9 GHz		
Efficient-core Max Turbo Frequency	4.1 GHz		

Processor		Software	
Low Power Efficient-core Max Turbo Frequency	2.4 GHz	Trial software	Activate Your Microsoft 365 For A 30 Day Trial
Performance-core base frequency	2 GHz	Operating system installed *	Windows 11 Pro
Efficient-core base frequency	1.6 GHz	Brand-specific features	
Low Power Efficient-core Base Frequency	700 MHz	Brand specific technologies	Control Vault 3+, Express Charge Boost capable, TNR
Processor cache	12 MB	Battery	
Processor base power	15 W	Number of battery cells	3
Maximum turbo power	57 W	Battery capacity *	55 Wh
Neural processor unit (NPU)		Battery voltage	11.7 V
Neural processor unit (NPU)	Intel AI Boost	Fast charging	✓
Sparsity support	✓	Battery charge indicator	✓
Windows Studio effects support	✓	Battery weight	220 g
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	Power	
NPU performance up to	12 TOPs	AC adapter power	65 W
Memory		AC adapter frequency	50 - 60 Hz
Internal memory *	16 GB	AC adapter input voltage	100 - 240 V
Internal memory type	DDR5-SDRAM	USB Type-C charging port *	✓
Memory form factor	SO-DIMM	USB Type-C required charging power (min) *	27 W
Memory layout (slots x size)	1 x 16 GB	USB Type-C required charging power (max) *	100 W
Memory slots	2x SO-DIMM	USB Power Delivery (USB PD)	✓
Maximum internal memory *	64 GB	USB charging voltage	5,9,15,20 V
Memory data transfer rate	5600 MT/s	Security	
Storage		Cable lock slot	✓
Total storage capacity *	512 GB	Cable lock slot type	Wedge
Storage media *	SSD	Fingerprint reader	✓
Total SSDs capacity	512 GB	Smart card reader	✓
Number of SSDs installed	1	Face recognition	✓
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
Speaker power	2.5 W	Height (front)	1.99 cm
Built-in microphone	✓	Height (rear)	2.06 cm
Number of microphones	2	Weight *	1.84 kg
Camera		Carbon footprint	
Front camera	✓	Total carbon footprint (kg of CO2e)	116
Front camera resolution (numeric)	2.07 MP	Carbon emissions, manufacturing (kg of CO2e)	88.51
Front camera resolution	1920 x 1080 pixels	Carbon emissions, logistics (kg of CO2e)	5.45
Front camera HD type	Full HD		
Video capturing speed	30 fps		
Infrared (IR) camera	✓		
Privacy camera	✓		

Camera		Carbon footprint	
Privacy type	Privacy shutter	Carbon emissions, energy usage (kg of CO2e)	19.37
Network		Carbon emissions, end-of-life (kg of CO2e)	2.55
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)	PAIA version	GaBi version 1, 2024
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6E (802.11ax)	Packaging content	
		AC adapter included *	✓



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