



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 German Aluminium

Brand : DELL

Product family: Pro

Product code: MGFFK

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		Network	
Product type *	Laptop	Wi-Fi band	Tri-band (2.4 GHz / 5 GHz / 6 GHz)
Product colour *	Aluminium	Wi-Fi data rate (max)	2400 Mbit/s
Form factor *	Clamshell	Antenna type	2x2
Housing material	Aluminium	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 7	Number of USB ports with PowerShare support	1
Processor generation	Intel Core Ultra (Series 2)	Keyboard	
Processor model *	255U	Pointing device	Touchpad
Processor cores	12	Numeric keypad *	✓
Processor threads	14	Keyboard backlit	✓
Processor boost frequency	5.2 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	5.2 GHz		
Efficient-core Max Turbo Frequency	4.2 GHz		
Low Power Efficient-core Max Turbo Frequency	2.4 GHz		
Performance-core base frequency	2 GHz		

Processor		Software	
Efficient-core base frequency	1.7 GHz	Trial software	Activate Your Microsoft 365 For A 30 Day Trial
Low Power Efficient-core Base Frequency	700 MHz	Operating system installed *	Windows 11 Pro
Processor cache	12 MB	Brand-specific features	
Processor base power	15 W	Brand specific technologies	Control Vault 3+, Express Charge Boost capable, TNR
Maximum turbo power	57 W	Battery	
Neural processor unit (NPU)		Number of battery cells	3
Neural processor unit (NPU)	Intel AI Boost	Battery capacity *	55 Wh
Sparsity support	✓	Battery voltage	11.7 V
Windows Studio effects support	✓	Fast charging	✓
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	Battery charge indicator	✓
NPU performance up to	12 TOPs	Battery weight	220 g
Memory		Power	
Internal memory *	16 GB	AC adapter power	65 W
Internal memory type	DDR5-SDRAM	AC adapter frequency	50 - 60 Hz
Memory form factor	SO-DIMM	AC adapter input voltage	100 - 240 V
Memory layout (slots x size)	1 x 16 GB	USB Type-C charging port *	✓
Memory slots	2x SO-DIMM	USB Type-C required charging power (min) *	27 W
Maximum internal memory *	64 GB	USB Type-C required charging power (max) *	100 W
Memory data transfer rate	5600 MT/s	USB Power Delivery (USB PD)	✓
Storage		USB charging voltage	5,9,15,20 V
Total storage capacity *	512 GB	Security	
Storage media *	SSD	Cable lock slot	✓
Total SSDs capacity	512 GB	Cable lock slot type	Wedge
Number of SSDs installed	1	Fingerprint reader	✓
SSD capacity	512 GB	Smart card reader	✓
SSD interface	PCI Express 4.0	Face recognition	✓
NVMe	✓	Trusted Platform Module (TPM)	✓
SSD form factor	M.2	Trusted Platform Module (TPM) version	2.0
Optical drive type *	✗	Operational conditions	
Card reader integrated	✓	Operating temperature (T-T)	0 - 35 °C
Compatible memory cards	MicroSD (TransFlash)	Storage temperature (T-T)	-40 - 65 °C
Graphics		Operating relative humidity (H-H)	10 - 90%
Discrete graphics card model *	Not available	Storage relative humidity (H-H)	0 - 95%
On-board graphics card *	✓	Operating altitude	-15.2 - 3048 m
On-board GPU manufacturer	Intel	Non-operating altitude	-15.2 - 10668 m
Discrete graphics card *	✗	Operating shock	110 G
On-board graphics card family	Intel® Graphics	Non-operating shock	160 G
On-board graphics card model *	Intel® Graphics	Operating vibration	0.66 G
Audio		Non-operating vibration	1.3 G
Audio chip	Cirrus Logic CS42L43	Weight & dimensions	
Number of built-in speakers	2	Width	358 mm
Speaker power	2.5 W	Depth	251.4 mm
Built-in microphone	✓	Height	21.4 mm
Number of microphones	2	Height (front)	1.99 cm
Camera		Height (rear)	2.06 cm
Front camera	✓	Weight *	1.84 kg
Front camera resolution (numeric)	2.07 MP	Carbon footprint	
Front camera resolution	1920 x 1080 pixels	Total carbon footprint (kg of CO2e)	116
Front camera HD type	Full HD	Carbon emissions, manufacturing (kg of CO2e)	88.508
Video capturing speed	30 fps	Carbon emissions, logistics (kg of CO2e)	5.452
Infrared (IR) camera	✓		
Privacy camera	✓		
Privacy type	Privacy shutter		

Network		Carbon footprint	
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)	Carbon emissions, energy usage (kg of CO2e)	19.372
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6E (802.11ax)	Carbon emissions, end-of-life (kg of CO2e)	2.552
Mobile network connection *	✗	PAIA version	GaBi version 1, 2024
Packaging content			
		AC adapter included *	✓



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