



**DELL Pro 16 PC16250 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 Platinum German**

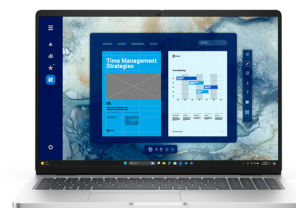
Brand : DELL

Product family: Pro

Product code: 4PD6Y

Product name : PC16250

DELL Pro 16 PC16250. 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: Platinum. Weight: 1.92 kg



Design		Network	
Colour name	Platinum silver	Antenna type	2x2
Product type *	Laptop	WLAN controller model	Intel Wi-Fi 6E AX211
Product colour *	Platinum	WLAN controller manufacturer	Intel
Form factor *	Clamshell	Ethernet LAN	✓
Housing material	Metal	Ethernet LAN data rates	10,100,1000 Mbit/s
Display		Bluetooth	✓
Display diagonal *	40.6 cm (16")	Ports & interfaces	
Display resolution *	1920 x 1200 pixels	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Touchscreen *	✗	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
HD type	Full HD+	Ethernet LAN (RJ-45) ports	1
Panel type	IPS	HDMI ports quantity *	1
Native aspect ratio	16:10	HDMI version	2.1
Anti-glare screen	✓	Thunderbolt 4 ports quantity	1
Display brightness	300 cd/m²	Intel® Thunderbolt 4	✓
Pixel density	141 ppi	Combo headphone/mic port	✓
RGB colour space	NTSC	Power adapter barrel connector	4.5 mm
Colour gamut	45%	USB Type-C DisplayPort Alternate Mode	✓
Maximum refresh rate	60 Hz	PowerShare	✓
Contrast ratio (typical)	1000:1	Number of USB ports with PowerShare support	1
Processor		Performance	
Processor manufacturer *	Intel	Hall sensor	✓
Processor family *	Intel Core Ultra 7	Keyboard	
Processor generation	Intel Core Ultra (Series 2)	Pointing device	Touchpad
Processor model *	255U	Numeric keypad *	✓
Processor cores	12	Keyboard backlit	✓
Processor threads	14	Keyboard language	German
Processor boost frequency	5.2 GHz	Copilot key	✓
Performance cores	2	Software	
Efficient cores	8	Operating system architecture	64-bit
Low Power Efficient-cores	2		
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		

Processor		Software	
Performance-core base frequency	2 GHz	Trial software	Activate Your Microsoft 365 For A 30 Day Trial
Efficient-core base frequency	1.7 GHz	Operating system installed *	Windows 11 Pro
Low Power Efficient-core Base Frequency	700 MHz	Brand-specific features	
Processor cache	12 MB	Brand specific technologies	Express Charge Boost capable, HDR Camera, TNR
Processor base power	15 W	Battery	
Maximum turbo power	57 W	Number of battery cells	3
Neural processor unit (NPU)		Battery capacity *	55 Wh
Neural processor unit (NPU)	Intel AI Boost	Battery voltage	11.7 V
Sparsity support	✓	Battery recharge time	4 h
Windows Studio effects support	✓	Fast charging	✓
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	Battery weight	210 g
NPU performance up to	12 TOPs	Power	
Memory		AC adapter frequency	50 - 60 Hz
Internal memory *	16 GB	AC adapter input voltage	100 - 240 V
Internal memory type	DDR5-SDRAM	DC-in jack	✓
Memory form factor	SO-DIMM	USB Type-C charging port *	✓
Memory layout (slots x size)	1 x 16 GB	USB Type-C required charging power (min) *	27 W
Memory slots	2x SO-DIMM	USB Type-C required charging power (max) *	65 W
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	Face recognition	✓
SSD capacity	512 GB	Trusted Platform Module (TPM)	✓
Optical drive type *	✗	Trusted Platform Module (TPM) version	2.0
Graphics		Operational conditions	
Discrete graphics card model *	Not available	Operating temperature (T-T)	0 - 40 °C
On-board graphics card *	✓	Storage temperature (T-T)	-40 - 65 °C
On-board GPU manufacturer	Intel	Operating relative humidity (H-H)	0 - 90%
Discrete graphics card *	✗	Storage relative humidity (H-H)	0 - 95%
On-board graphics card family	Intel® Graphics	Operating altitude	-15.2 - 3048 m
On-board graphics card model *	Intel® Graphics	Non-operating altitude	-15.2 - 10668 m
Audio		Operating shock	140 G
Audio chip	Realtek ALC3204	Operating vibration	0.66 G
Audio system	MaxxAudio Pro	Weight & dimensions	
Number of built-in speakers	2	Width	358 mm
Speakers manufacturer	Waves	Depth	251.8 mm
Speaker power	2.5 W	Height (front)	1.89 cm
Built-in microphone	✓	Height (rear)	2.08 cm
Number of microphones	2	Weight *	1.92 kg
Camera		Carbon footprint	
Front camera	✓	Total carbon footprint (kg of CO2e)	108
Front camera resolution (numeric)	2.07 MP	Carbon emissions, manufacturing (kg of CO2e)	70.42
Front camera resolution	1920 x 1080 pixels	Carbon emissions, logistics (kg of CO2e)	6.05
Front camera HD type	Full HD	Carbon emissions, energy usage (kg of CO2e)	28.51
Video capturing speed	30 fps	Carbon emissions, end-of-life (kg of CO2e)	3.02
Infrared (IR) camera	✓	PAIA version	GaBi version 1, 2024
Privacy camera	✓		
Privacy type	Privacy shutter		
Network			
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)		

Network		Packaging content	
Wi-Fi standards	Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax)	AC adapter included *	✗
		Other features	
Mobile network connection *	✗	Surface treatment	metallic



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