



DELL Pro 16 PC16250 Intel Core Ultra 5 225U Laptop 40.6 cm (16") Full HD+ 16 GB DDR5-SDRAM 512 GB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Black

Brand : DELL

Product family: Pro

Product code:
BTO127B_PC16250_AU

Product name : PC16250

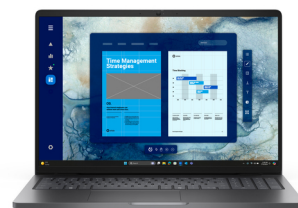
- Windows 11 Pro 64-bit
- Intel Core Ultra 5 225U (12MB Cache)
- 40.6 cm (16") Full HD+ 1920 x 1200 IPS
- 16GB DDR5-SDRAM & 512GB SSD

Intel Core Ultra 5 225U (12MB Cache), 16GB DDR5-SDRAM, 512GB SSD, 40.6 cm (16") Full HD+ 1920 x 1200 IPS, Intel Graphics, LAN, WLAN, Webcam, Windows 11 Pro 64-bit

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16-inch AI capable PC with a built-in AI chip, exceptional battery life, Intel® Core™ Ultra processors, and a sleek, modular design for enhanced durability.

DELL Pro 16 PC16250. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 5, Processor model: 225U. 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: Black. Weight: 1.92 kg



Design		Camera	
Colour name	Magnetite Color	Privacy camera	✓
Product type *	Laptop	Privacy type	Privacy shutter
Product colour *	Black	Network	
Form factor *	Clamshell	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Display		Wi-Fi standards	Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax)
Display diagonal *	40.6 cm (16")	Mobile network connection *	✗
Display resolution *	1920 x 1200 pixels	Antenna type	2x2
Touchscreen *	✗	WLAN controller model	Intel Wi-Fi 6E AX211
HD type	Full HD+	WLAN controller manufacturer	Intel
Panel type	IPS	Ethernet LAN	✓
Native aspect ratio	16:10	Ethernet LAN data rates	10,100,1000 Mbit/s
Anti-glare screen	✓	Bluetooth	✓
Display brightness	300 cd/m²	Ports & interfaces	
Pixel density	141 ppi	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
RGB colour space	NTSC	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Colour gamut	45%	Ethernet LAN (RJ-45) ports	1
Maximum refresh rate	60 Hz	HDMI ports quantity *	1
Contrast ratio (typical)	1000:1	HDMI version	2.1
Processor		Thunderbolt 4 ports quantity	1
Processor manufacturer *	Intel	Intel® Thunderbolt 4	✓
Processor family *	Intel Core Ultra 5	Combo headphone/mic port	✓
Processor generation	Intel Core Ultra (Series 2)	Power adapter barrel connector	4.5 mm
Processor model *	225U	USB Type-C DisplayPort Alternate Mode	✓
Processor cores	12	PowerShare	✓
Processor threads	14	Number of USB ports with PowerShare support	1
Processor boost frequency	4.8 GHz		
Performance cores	2		
Efficient cores	8		
Low Power Efficient-cores	2		
Performance-core Max Turbo Frequency	4.8 GHz		

Processor		Performance	
Efficient-core Max Turbo Frequency	3.8 GHz	Hall sensor	✓
Low Power Efficient-core Max Turbo Frequency	2.4 GHz	Keyboard	
Performance-core base frequency	1.5 GHz	Pointing device	Touchpad
Efficient-core base frequency	1.3 GHz	Numeric keypad *	✓
Low Power Efficient-core Base Frequency	700 MHz	Copilot key	✓
Processor cache	12 MB	Software	
Processor base power	15 W	Operating system architecture	64-bit
Maximum turbo power	57 W	Operating system installed *	Windows 11 Pro
Neural processor unit (NPU)		Battery	
Neural processor unit (NPU)	Intel AI Boost	Number of battery cells	3
Sparsity support	✓	Battery capacity *	45 Wh
Windows Studio effects support	✓	Battery voltage	11.25 V
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	Battery recharge time	4 h
Memory		Fast charging	✓
Internal memory *	16 GB	Battery weight	200 g
Internal memory type	DDR5-SDRAM	Power	
Memory form factor	SO-DIMM	AC adapter frequency	50 - 60 Hz
Memory slots	2x SO-DIMM	AC adapter input voltage	100 - 240 V
Maximum internal memory *	64 GB	DC-in jack	✓
Memory data transfer rate	5200 MT/s	USB Type-C charging port *	✓
Storage		USB Type-C required charging power (min) *	27 W
Total storage capacity *	512 GB	USB Type-C required charging power (max) *	65 W
Storage media *	SSD	USB Power Delivery (USB PD)	✓
Total SSDs capacity	512 GB	USB charging voltage	5,9,15,20 V
Number of SSDs installed	1	Security	
SSD capacity	512 GB	Cable lock slot	✓
Optical drive type *	✗	Cable lock slot type	Wedge
Graphics		Trusted Platform Module (TPM)	✓
Discrete graphics card model *	Not available	Trusted Platform Module (TPM) version	2.0
On-board graphics card *	✓	Operational conditions	
On-board GPU manufacturer	Intel	Operating temperature (T-T)	0 - 40 °C
Discrete graphics card *	✗	Storage temperature (T-T)	-40 - 65 °C
On-board graphics card family	Intel® Graphics	Operating relative humidity (H-H)	0 - 90%
On-board graphics card model *	Intel® Graphics	Storage relative humidity (H-H)	0 - 95%
Audio		Operating altitude	-15.2 - 3048 m
Audio chip	Realtek ALC3204	Non-operating altitude	-15.2 - 10668 m
Audio system	MaxxAudio Pro	Operating shock	140 G
Number of built-in speakers	2	Operating vibration	0.66 G
Speakers manufacturer	Waves	Weight & dimensions	
Speaker power	2.5 W	Width	358 mm
Built-in microphone	✓	Depth	251.8 mm
Number of microphones	2	Height (front)	1.89 cm
Camera		Height (rear)	2.08 cm
Front camera	✓	Weight *	1.92 kg
Video capturing speed	30 fps	Packaging content	
		AC adapter included *	✓

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