



## DELL PB16250 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

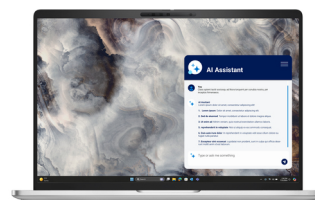
Product code: GCY30

Product name : PB16250

- Windows 11 Pro 64-bit
- Intel Core Ultra 7 266V (12MB Cache)
- 40.6 cm (16") Full HD+ 1920 x 1200 IPS
- 16GB LPDDR5x-SDRAM & 512GB SSD

Intel Core Ultra 7 266V (12MB Cache), 16GB LPDDR5x-SDRAM, 512GB SSD, 40.6 cm (16") Full HD+ 1920 x 1200 IPS, Intel Arc Graphics 140V, WLAN, Webcam, Windows 11 Pro 64-bit

DELL 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		Audio	
Product type *	Laptop	Built-in microphone	✓
Product colour *	Aluminium	Number of microphones	2
Form factor *	Clamshell	Camera	
Housing material	Aluminium	Front camera	✓
Display		Video capturing speed	30 fps
Display diagonal *	40.6 cm (16")	Network	
Display resolution *	1920 x 1200 pixels	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Touchscreen *	✗	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)
HD type	Full HD+	Mobile network connection *	✗
Panel type	IPS	Wi-Fi band	Tri-band (2.4 GHz / 5 GHz / 6 GHz)
Native aspect ratio	16:10	Wi-Fi data rate (max)	5760 Mbit/s
Anti-glare screen	✓	Antenna type	2x2
Display brightness	300 cd/m²	WLAN controller model	Intel Wi-Fi 7 BE201
Pixel density	142 ppi	WLAN controller manufacturer	Intel
RGB colour space	NTSC	Bluetooth	✓
Colour gamut	45%	Ports & interfaces	
Maximum refresh rate	60 Hz	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Contrast ratio (typical)	1000:1	HDMI ports quantity *	1
Processor		HDMI version	2.1
Processor manufacturer *	Intel	Thunderbolt 4 ports quantity	2
Processor family *	Intel Core Ultra 7	Intel® Thunderbolt 4	✓
Processor generation	Intel Core Ultra (Series 2)	Combo headphone/mic port	✓
Processor model *	266V	USB Type-C DisplayPort Alternate Mode	✓
Processor cores	8	PowerShare	✓
Processor threads	8	Number of USB ports with PowerShare support	1
Processor boost frequency	5 GHz		
Performance cores	4		
Low Power Efficient-cores	4		
Performance-core Max Turbo Frequency	5 GHz		
Low Power Efficient-core Max Turbo Frequency	3.7 GHz		

Processor		Keyboard	
Performance-core base frequency	2.2 GHz	Pointing device	Touchpad
Low Power Efficient-core Base Frequency	2200 MHz	Numeric keypad *	✓
Processor cache	12 MB	Software	
Processor cache type	Smart Cache	Operating system architecture	64-bit
Processor base power	17 W	Operating system installed *	Windows 11 Pro
Maximum turbo power	37 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, OpenVINO, Windows ML, ONNX RT, WebNN	Battery charge indicator	✓
Total processor performance up to	118 TOPs	Battery weight	220 g
NPU performance up to	48 TOPs	Power	
GPU performance up to	66 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	LPDDR5x-SDRAM	USB Type-C charging port *	✓
Memory form factor	On-board	USB Type-C required charging power (min) *	27 W
Maximum internal memory *	16 GB	USB Type-C required charging power (max) *	100 W
Memory data transfer rate	8533 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	Trusted Platform Module (TPM)	✓
SSD capacity	512 GB	Trusted Platform Module (TPM) version	2.0
SSD interface	PCI Express 4.0	Operational conditions	
NVMe	✓	Operating temperature (T-T)	0 - 35 °C
SSD form factor	M.2	Storage temperature (T-T)	-40 - 65 °C
Optical drive type *	✗	Operating relative humidity (H-H)	10 - 90%
Card reader integrated	✓	Storage relative humidity (H-H)	0 - 95%
Compatible memory cards	MicroSD (TransFlash)	Operating altitude	-15.2 - 3048 m
Graphics		Non-operating altitude	-15.2 - 10668 m
Discrete graphics card model *	Not available	Operating shock	110 G
On-board graphics card *	✓	Non-operating shock	160 G
On-board GPU manufacturer	Intel	Operating vibration	0.66 G
Discrete graphics card *	✗	Non-operating vibration	1.3 G
On-board graphics card family	Intel Arc Graphics	Weight & dimensions	
On-board graphics card model *	Intel Arc Graphics 140V	Width	358 mm
Audio		Depth	251.4 mm
Audio chip	Cirrus Logic CS42L43	Height	21.4 mm
Number of built-in speakers	2	Height (front)	1.99 cm
Speaker power	2 W	Height (rear)	2.06 cm
		Weight *	1.84 kg
		Packaging content	
		AC adapter included *	✓



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