



DELL Pro 16 Plus PB16250 Intel Core 5 120U 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: 6XGY6

Product name : PB16250

DELL Pro 16 Plus PB16250. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core 5, Processor model: 120U. 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	WLAN controller manufacturer	Intel
Product colour *	Aluminium	Ethernet LAN	✓
Form factor *	Clamshell	Ethernet LAN data rates	10,100,1000 Mbit/s
Housing material	Aluminium	Bluetooth	✓
Display		WWAN	Upgradable
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 *	✗	Ethernet LAN (RJ-45) ports	1
HD type	Full HD+	HDMI ports quantity *	1
Panel type	IPS	HDMI version	2.1
Native aspect ratio	16:10	Thunderbolt 4 ports quantity	2
Anti-glare screen	✓	Intel® Thunderbolt 4	✓
Display brightness	300 cd/m²	Combo headphone/mic port	✓
Pixel density	142 ppi	USB Type-C DisplayPort Alternate Mode	✓
RGB colour space	NTSC	PowerShare	✓
Colour gamut	45%	Number of USB ports with PowerShare support	1
Maximum refresh rate	60 Hz	Keyboard	
Contrast ratio (typical)	1000:1	Pointing device	Touchpad
Processor		Numeric keypad *	✓
Processor manufacturer *	Intel	Keyboard backlit	✓
Processor family *	Intel Core 5	Keyboard language	German
Processor generation	Intel Core (Series 1)	Copilot key	✓
Processor model *	120U	Software	
Processor cores	10	Operating system architecture	64-bit
Processor threads	12	Trial software	Activate Your Microsoft 365 For A 30 Day Trial
Processor boost frequency	5 GHz	Operating system installed *	Windows 11 Pro
Performance cores	2	Brand-specific features	
Efficient cores	8	Brand specific technologies	Control Vault 3+, Express Charge Boost capable, TNR
Performance-core Max Turbo Frequency	5 GHz		
Efficient-core Max Turbo Frequency	3.8 GHz		
Performance-core base frequency	1.4 GHz		
Efficient-core base frequency	0.9 GHz		
Processor cache	12 MB		

Processor		Battery	
Processor cache type	Smart Cache	Number of battery cells	3
Processor base power	15 W	Battery capacity *	55 Wh
Maximum turbo power	55 W	Battery voltage	11.7 V
Memory		Fast charging	✓
Internal memory *	16 GB	Battery charge indicator	✓
Internal memory type	DDR5-SDRAM	Battery weight	220 g
Memory form factor	SO-DIMM	Power	
Memory layout (slots x size)	1 x 16 GB	AC adapter power	65 W
Memory slots	2x SO-DIMM	AC adapter frequency	50 - 60 Hz
Maximum internal memory *	64 GB	AC adapter input voltage	100 - 240 V
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) *	100 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	✓
SSD interface	PCI Express 4.0	Cable lock slot type	Wedge
NVMe	✓	Fingerprint reader	✓
SSD form factor	M.2	Face recognition	✓
Optical drive type *	✗	Trusted Platform Module (TPM)	✓
Card reader integrated	✓	Trusted Platform Module (TPM) version	2.0
Compatible memory cards	MicroSD (TransFlash)	Operational conditions	
Graphics		Operating temperature (T-T)	0 - 35 °C
Discrete graphics card model *	Not available	Storage temperature (T-T)	-40 - 65 °C
On-board graphics card *	✓	Operating relative humidity (H-H)	10 - 90%
On-board GPU manufacturer	Intel	Storage relative humidity (H-H)	0 - 95%
Discrete graphics card *	✗	Operating altitude	-15.2 - 3048 m
On-board graphics card family	Intel® Graphics	Non-operating altitude	-15.2 - 10668 m
On-board graphics card model *	Intel® Graphics	Operating shock	110 G
Audio		Non-operating shock	160 G
Audio chip	Cirrus Logic CS42L43	Operating vibration	0.66 G
Number of built-in speakers	2	Non-operating vibration	1.3 G
Speaker power	2.5 W	Weight & dimensions	
Built-in microphone	✓	Width	358 mm
Number of microphones	2	Depth	251.4 mm
Camera		Height	21.4 mm
Front camera	✓	Height (front)	1.99 cm
Front camera resolution (numeric)	2.07 MP	Height (rear)	2.06 cm
Front camera resolution	1920 x 1080 pixels	Weight *	1.84 kg
Front camera HD type	Full HD	Carbon footprint	
Video capturing speed	30 fps	Total carbon footprint (kg of CO2e)	116
Infrared (IR) camera	✓	Carbon emissions, manufacturing (kg of CO2e)	88.508
Privacy camera	✓	Carbon emissions, logistics (kg of CO2e)	5.452
Privacy type	Privacy shutter	Carbon emissions, energy usage (kg of CO2e)	19.372
Network		Carbon emissions, end-of-life (kg of CO2e)	2.552
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	
Mobile network connection *	✗	AC adapter included *	✓
Wi-Fi band	Tri-band (2.4 GHz / 5 GHz / 6 GHz)		
Wi-Fi data rate (max)	2400 Mbit/s		
Antenna type	2x2		
WLAN controller model	Intel Wi-Fi 6E AX211		



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