



DELL Pro 16 Plus PB16255 Copilot+ PC AMD Ryzen AI 5 PRO PRO 340 Laptop 40.6 cm (16") Full HD+ 16 GB LPDDR5x-SDRAM 512 GB SSD Wi-Fi 7 (802.11be) Windows 11 Pro Platinum, Silver UK English



Brand : DELL

Product family: Pro

Product code: P5DYC

Product name : PB16255

- Windows 11 Pro 64-bit
- AMD Ryzen AI 5 PRO 340 (3.4GHz)
- 16" Full HD+ 1920 x 1200 WVA
- 16GB LPDDR5x-SDRAM & 512GB SSD

AMD Ryzen AI 5 PRO 340 (3.4GHz), 16GB LPDDR5x-SDRAM, 512GB SSD, 16" Full HD+ 1920 x 1200 WVA, AMD Radeon 840M, WLAN, Webcam, Windows 11 Pro 64-bit

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A step up in scalable performance, collaboration, and connectivity experiences for AI PCs all in a sleek, durable Aluminium design. Configurable to meet the unique needs of every professional.

DELL Pro 16 Plus PB16255. Product type: Laptop, Form factor: Clamshell. Processor family: AMD Ryzen AI 5 PRO, Processor model: PRO 340, Processor frequency: 3.4 GHz. 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: AMD Radeon 840M. Operating system installed: Windows 11 Pro. Product colour: Platinum, Silver

Design		Network	
Product type *	Laptop	Near Field Communication (NFC)	✓
Product colour *	Platinum, Silver	Ports & interfaces	
Form factor *	Clamshell	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Housing material	Aluminium	USB4 Gen 3x2 ports quantity	2
Display		Ethernet LAN (RJ-45) ports	1
Display diagonal *	40.6 cm (16")	HDMI ports quantity *	1
Display resolution *	1920 x 1200 pixels	HDMI version	2.1
Touchscreen *	✗	Combo headphone/mic port	✓
HD type	Full HD+	USB Type-C DisplayPort Alternate Mode	✓
Panel type	WVA	PowerShare	✓
Native aspect ratio	16:10	Number of USB ports with PowerShare support	1
Anti-glare screen	✓	Keyboard	
Display brightness	300 cd/m²	Pointing device	Touchpad
Pixel density	142 ppi	Numeric keypad *	✓
RGB colour space	NTSC	Keyboard backlit	✓
Colour gamut	45%	Keyboard language	UK English
Maximum refresh rate	60 Hz	Software	
Contrast ratio (typical)	1000:1	Operating system architecture	64-bit
Processor		Trial software	Activate Your Microsoft 365 For A 30 Day Trial
Processor manufacturer *	AMD	Operating system installed *	Windows 11 Pro
Processor family *	AMD Ryzen AI 5 PRO	Brand-specific features	
Processor model *	PRO 340	Brand specific technologies	Control Vault 3+, Express Charge Boost capable, TNR, HDR Camera
Processor cores	6	Battery	
Processor threads	12	Number of battery cells	3
Processor boost frequency	4.8 GHz	Battery capacity *	55 Wh
Processor frequency *	3.4 GHz		
L3 cache	16 MB		
L2 cache	6 MB		
Neural processor unit (NPU)			
Copilot+ PC	✓		

Neural processor unit (NPU)		Battery	
Neural processor unit (NPU)	AMD Ryzen AI	Battery voltage	11.7 V
Total processor performance up to	59 TOPs	Battery recharge time	4 h
NPU performance up to	50 TOPs	Fast charging	✓
Memory		Battery weight	220 g
Internal memory *	16 GB	Power	
Internal memory type	LPDDR5x-SDRAM	AC adapter frequency	50 - 60 Hz
Memory form factor	On-board	AC adapter input voltage	100 - 240 V
Maximum internal memory *	16 GB	USB Type-C charging port *	✓
Memory channels	Dual-channel	USB Type-C required charging power (min) *	45 W
Memory data transfer rate	7500 MT/s	USB Type-C required charging power (max) *	65 W
Storage		USB Power Delivery (USB PD)	✓
Total storage capacity *	512 GB	USB charging voltage	5,9,15,20 V
Storage media *	SSD	Security	
Total SSDs capacity	512 GB	Cable lock slot	✓
Number of SSDs installed	1	Cable lock slot type	Wedge
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
Discrete graphics card *	✗	Non-operating altitude	-15.2 - 10668 m
On-board graphics card model *	AMD Radeon 840M	Operating shock	110 G
Audio		Non-operating shock	160 G
Audio chip	Realtek ALC3329	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	✓	Weight *	1.86 kg
Front camera resolution (numeric)	2.07 MP	Carbon footprint	
Front camera resolution	1920 x 1080 pixels	Total carbon footprint (kg of CO2e)	124
Front camera HD type	Full HD	Carbon emissions, manufacturing (kg of CO2e)	94.12
Video capturing speed	30 fps	Carbon emissions, logistics (kg of CO2e)	5.7
Infrared (IR) camera	✓	Carbon emissions, energy usage (kg of CO2e)	21.45
Privacy camera	✓	Carbon emissions, end-of-life (kg of CO2e)	2.73
Privacy type	Privacy shutter	PAIA version	GaBi version 1, 2024
Network		Packaging content	
Top Wi-Fi standard *	Wi-Fi 7 (802.11be)	AC adapter included *	✗
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)		
Mobile network connection *	✗		
Wi-Fi band	Tri-band (2.4 GHz / 5 GHz / 6 GHz)		
Wi-Fi data rate (max)	2882 Mbit/s		
Antenna type	2x2		
WLAN controller model	MediaTek MT7925		
WLAN controller manufacturer	MediaTek		
Bluetooth	✓		



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