



# DELL Pro 16 Plus PB16255 AMD Ryzen AI 7 PRO 350 Laptop 40.6 cm (16") Full HD+ 32 GB LPDDR5x-SDRAM 512 GB SSD Wi-Fi 7 (802.11be) Windows 11 Pro US English Platinum, Silver



**Brand :** DELL

**Product family:** Pro

**Product code:** 1CFWK

**Product name :** PB16255

- Windows 11 Pro 64-bit
  - AMD Ryzen AI 7 PRO 350 (3.5GHz)
  - 40.6 cm (16") Full HD+ 1920 x 1200 WVA
  - 32GB LPDDR5x-SDRAM & 512GB SSD
- AMD Ryzen AI 7 PRO 350 (3.5GHz), 32GB LPDDR5x-SDRAM, 512GB SSD, 40.6 cm (16") Full HD+ 1920 x 1200 WVA, AMD Radeon 860M, WLAN, Webcam, Windows 11 Pro 64-bit

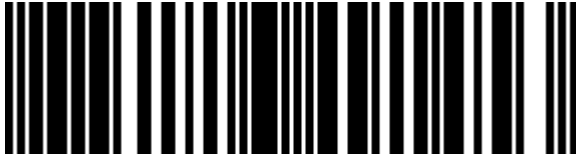
DELL Pro 16 Plus PB16255 AMD Ryzen AI 7 PRO 350 Laptop 40.6 cm (16") Full HD+ 32 GB LPDDR5x-SDRAM 512 GB SSD Wi-Fi 7 (802.11be) Windows 11 Pro US English Platinum, Silver:

16-inch laptop with up to AMD Ryzen™ AI PRO processors offering a built-in AI chip for long-lasting battery life in a sleek and durable design.

DELL Pro 16 Plus PB16255. Product type: Laptop, Form factor: Clamshell. Processor family: AMD Ryzen AI 7 PRO, Processor model: 350, Processor frequency: 3.5 GHz. Display diagonal: 40.6 cm (16"), HD type: Full HD+, Display resolution: 1920 x 1200 pixels. Internal memory: 32 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: AMD Radeon 860M. Operating system installed: Windows 11 Pro. Product colour: Platinum, Silver

Design		Network	
Product type *	Laptop	Wi-Fi band	Tri-band (2.4 GHz / 5 GHz / 6 GHz)
Product colour *	Platinum, Silver	Wi-Fi data rate (max)	2882 Mbit/s
Form factor *	Clamshell	Antenna type	2x2
Housing material	Aluminium	WLAN controller model	MediaTek MT7925
<b>Display</b>		WLAN controller manufacturer	MediaTek
Display diagonal *	40.6 cm (16")	Bluetooth	✓
Display resolution *	1920 x 1200 pixels	<b>Ports &amp; interfaces</b>	
Touchscreen *	✗	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
HD type	Full HD+	USB4 Gen 3x2 ports quantity	2
Panel type	WVA	Ethernet LAN (RJ-45) ports	1
Native aspect ratio	16:10	HDMI ports quantity *	1
Anti-glare screen	✓	HDMI version	2.1
Display brightness	300 cd/m <sup>2</sup>	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	<b>Keyboard</b>	
Contrast ratio (typical)	1000:1	Pointing device	Touchpad
<b>Processor</b>		Numeric keypad *	✓
Processor manufacturer *	AMD	Keyboard backlit	✓
Processor family *	AMD Ryzen AI 7 PRO	Keyboard language	US English
Processor generation	AMD Ryzen AI PRO 300 Series	Copilot key	✓
Processor model *	350	<b>Software</b>	
Processor cores	8	Operating system architecture	64-bit
Processor threads	16	Operating system installed *	Windows 11 Pro
Processor boost frequency	5 GHz	<b>Brand-specific features</b>	
Processor frequency *	3.5 GHz	Brand specific technologies	Express Charge Boost capable, TNR
L3 cache	16 MB		
L2 cache	8 MB		
<b>Neural processor unit (NPU)</b>			
Neural processor unit (NPU)	AMD Ryzen AI		

<b>Neural processor unit (NPU)</b>		<b>Battery</b>	
Total processor performance up to	66 TOPs	Number of battery cells	3
NPU performance up to	50 TOPs	Battery capacity *	55 Wh
<b>Memory</b>		Battery voltage	11.7 V
Internal memory *	32 GB	Battery recharge time	4 h
Internal memory type	LPDDR5x-SDRAM	Fast charging	✓
Memory form factor	On-board	Battery weight	220 g
Maximum internal memory *	32 GB	<b>Power</b>	
Memory data transfer rate	7500 MT/s	AC adapter power	65 W
<b>Storage</b>		AC adapter frequency	50 - 60 Hz
Total storage capacity *	512 GB	AC adapter input voltage	100 - 240 V
Storage media *	SSD	USB Type-C charging port *	✓
Total SSDs capacity	512 GB	USB Type-C required charging power (min) *	45 W
Number of SSDs installed	1	USB Type-C required charging power (max) *	65 W
SSD capacity	512 GB	USB Power Delivery (USB PD)	✓
SSD interface	PCI Express 4.0	USB charging voltage	5,9,15,20 V
NVMe	✓	<b>Security</b>	
SSD form factor	M.2	Cable lock slot	✓
Optical drive type *	✗	Cable lock slot type	Wedge
Card reader integrated	✓	Face recognition	✓
Compatible memory cards	MicroSD (TransFlash)	Trusted Platform Module (TPM)	✓
<b>Graphics</b>		Trusted Platform Module (TPM) version	2.0
Discrete graphics card model *	Not available	<b>Operational conditions</b>	
On-board graphics card *	✓	Operating temperature (T-T)	0 - 35 °C
Discrete graphics card *	✗	Storage temperature (T-T)	-40 - 65 °C
On-board graphics card model *	AMD Radeon 860M	Operating relative humidity (H-H)	10 - 90%
<b>Audio</b>		Storage relative humidity (H-H)	0 - 95%
Audio chip	Realtek ALC3329	Operating altitude	-15.2 - 3048 m
Number of built-in speakers	2	Non-operating altitude	-15.2 - 10668 m
Speaker power	2.5 W	Operating shock	110 G
Built-in microphone	✓	Non-operating shock	160 G
Number of microphones	2	Operating vibration	0.66 G
<b>Camera</b>		Non-operating vibration	1.3 G
Front camera	✓	<b>Weight &amp; dimensions</b>	
Front camera resolution (numeric)	2.07 MP	Width	358 mm
Front camera resolution	1920 x 1080 pixels	Depth	251.4 mm
Front camera HD type	Full HD	Height	21.4 mm
Video capturing speed	30 fps	Weight *	1.86 kg
Infrared (IR) camera	✓	<b>Packaging content</b>	
Privacy camera	✓	AC adapter included *	✓
Privacy type	Privacy shutter		
<b>Network</b>			
Top Wi-Fi standard *	Wi-Fi 7 (802.11be)		
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 *	✗		



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### Catalog Object Cloud



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