



DELL Pro 16 Plus PB16255 Copilot+ PC AMD Ryzen™ AI 7 350 Laptop 40.6 cm (16") Full HD+ 32 GB LPDDR5x-SDRAM 512 GB SSD Wi-Fi 7 (802.11be) Windows 11 Pro Platinum, Silver Czech, Slovakian



Brand : DELL

Product family: Pro

Product code: 69RMC

Product name : PB16255

DELL Pro 16 Plus PB16255. Product type: Laptop, Form factor: Clamshell. Processor family: AMD Ryzen™ AI 7, 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		Ports & interfaces	
Product type *	Laptop	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Product colour *	Platinum, Silver	USB4 Gen 3x2 ports quantity	2
Form factor *	Clamshell	Ethernet LAN (RJ-45) ports	1
Housing material	Aluminium	HDMI ports quantity *	1
Display		HDMI version	2.1
Display diagonal *	40.6 cm (16")	Combo headphone/mic port	✓
Display resolution *	1920 x 1200 pixels	USB Type-C DisplayPort Alternate Mode	✓
Touchscreen *	✗	PowerShare	✓
HD type	Full HD+	Number of USB ports with PowerShare support	1
Panel type	WVA	Keyboard	
Native aspect ratio	16:10	Pointing device	Touchpad
Anti-glare screen	✓	Numeric keypad *	✓
Display brightness	300 cd/m²	Keyboard backlit	✓
Pixel density	142 ppi	Keyboard language	Czech, Slovakian
RGB colour space	NTSC	Copilot key	✓
Colour gamut	45%	Software	
Maximum refresh rate	60 Hz	Operating system architecture	64-bit
Contrast ratio (typical)	1000:1	Trial software	Activate Your Microsoft 365 For A 30 Day Trial
Processor		Operating system installed *	Windows 11 Pro
Processor manufacturer *	AMD	Brand-specific features	
Processor family *	AMD Ryzen™ AI 7	Brand specific technologies	Control Vault 3+, Express Charge Boost capable, HDR Camera, TNR
Processor generation	AMD Ryzen AI 300 Series	Battery	
Processor model *	350	Number of battery cells	3
Processor cores	8	Battery capacity *	55 Wh
Processor threads	16	Battery voltage	11.7 V
Processor boost frequency	5 GHz	Battery recharge time	4 h
Processor frequency *	3.5 GHz	Fast charging	✓
L3 cache	16 MB	Battery weight	220 g
L2 cache	8 MB		
Neural processor unit (NPU)			
Copilot+ PC	✓		
Neural processor unit (NPU)	AMD Ryzen AI		
Total processor performance up to	66 TOPs		
NPU performance up to	50 TOPs		

Memory		Power	
Internal memory *	32 GB	AC adapter frequency	50 - 60 Hz
Internal memory type	LPDDR5x-SDRAM	AC adapter input voltage	100 - 240 V
Memory form factor	On-board	USB Type-C charging port *	✓
Maximum internal memory *	32 GB	USB Type-C required charging power (min) *	45 W
Memory channels	Dual-channel	USB Type-C required charging power (max) *	65 W
Memory data transfer rate	7500 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	Fingerprint reader	✓
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 860M	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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