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





Brand : DELL **Product family:** Pro **Product code:** 938XG

Product name : PB16255

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

AMD Ryzen AI 5 340 (3.4GHz), 16GB LPDDR5x-SDRAM, 512GB SSD, 40.6 cm (16") Full HD+ 1920 x 1200 WVA, AMD Radeon 840M, WLAN, Webcam, Windows 11 Pro 64-bit

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

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 5, Processor model: 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	
Product type *	Laptop
Product colour *	Platinum, Silver
Form factor *	Clamshell
Housing material	Aluminium

Display	
Display diagonal *	40.6 cm (16")
Display resolution *	1920 x 1200 pixels
Touchscreen *	✗
HD type	Full HD+
Panel type	WVA
Native aspect ratio	16:10
Anti-glare screen	✓
Display brightness	300 cd/m²
Pixel density	142 ppi
RGB colour space	NTSC
Colour gamut	45%
Maximum refresh rate	60 Hz
Contrast ratio (typical)	1000:1

Processor	
Processor manufacturer *	AMD
Processor family *	AMD Ryzen™ AI 5
Processor model *	340
Processor cores	6
Processor threads	12
Processor boost frequency	4.8 GHz
Processor frequency *	3.4 GHz
L3 cache	16 MB
L2 cache	6 MB
Processor base power	15 W
Maximum turbo power	54 W

Network	
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	✓

Ports & interfaces	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
USB4 Gen 3x2 ports quantity	2
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
HDMI version	2.1
Combo headphone/mic port	✓
USB Type-C DisplayPort Alternate Mode	✓
PowerShare	✓
Number of USB ports with PowerShare support	1

Keyboard	
Pointing device	Touchpad
Numeric keypad *	✓
Keyboard backlit	✓
Keyboard language	US English
Copilot key	✓

Software	
Operating system architecture	64-bit
Operating system installed *	Windows 11 Pro

Brand-specific features	
Brand specific technologies	Express Charge Boost capable, TNR

Neural processor unit (NPU)	
Neural processor unit (NPU)	AMD Ryzen AI
Total processor performance up to	59 TOPs
NPU performance up to	50 TOPs

Memory	
Internal memory *	16 GB
Internal memory type	LPDDR5x-SDRAM
Memory form factor	On-board
Maximum internal memory *	16 GB
Memory data transfer rate	7500 MT/s

Storage	
Total storage capacity *	512 GB
Storage media *	SSD
Total SSDs capacity	512 GB
Number of SSDs installed	1
SSD capacity	512 GB
SSD interface	PCI Express 4.0
NVMe	✔
SSD form factor	M.2
Optical drive type *	✘
Card reader integrated	✔
Compatible memory cards	MicroSD (TransFlash)

Graphics	
Discrete graphics card model *	Not available
On-board graphics card *	✔
Discrete graphics card *	✘
On-board graphics card model *	AMD Radeon 840M

Audio	
Audio chip	Realtek ALC3329
Number of built-in speakers	2
Speaker power	2.5 W
Built-in microphone	✔
Number of microphones	2

Camera	
Front camera	✔
Front camera resolution (numeric)	2.07 MP
Front camera resolution	1920 x 1080 pixels
Front camera HD type	Full HD
Video capturing speed	30 fps
Infrared (IR) camera	✔
Privacy camera	✔
Privacy type	Privacy shutter

Network	
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)

Battery	
Number of battery cells	3
Battery capacity *	55 Wh
Battery voltage	11.7 V
Battery recharge time	4 h
Fast charging	✔
Battery weight	220 g

Power	
AC adapter power	65 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
USB Type-C charging port *	✔
USB Type-C required charging power (min) *	45 W
USB Type-C required charging power (max) *	65 W
USB Power Delivery (USB PD)	✔
USB charging voltage	5,9,15,20 V

Security	
Cable lock slot	✔
Cable lock slot type	Wedge
Face recognition	✔
Trusted Platform Module (TPM)	✔
Trusted Platform Module (TPM) version	2.0

Operational conditions	
Operating temperature (T-T)	0 - 35 °C
Storage temperature (T-T)	-40 - 65 °C
Operating relative humidity (H-H)	10 - 90%
Storage relative humidity (H-H)	0 - 95%
Operating altitude	-15.2 - 3048 m
Non-operating altitude	-15.2 - 10668 m
Operating shock	110 G
Non-operating shock	160 G
Operating vibration	0.66 G
Non-operating vibration	1.3 G

Weight & dimensions	
Width	358 mm
Depth	251.4 mm
Height	21.4 mm
Weight *	1.86 kg

Packaging content	
AC adapter included *	✔

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Publication date: 21-SEP-2026. Prints or copies of Information are only valid on the printed Publication date