



DELL Pro 16 PC16255 AMD Ryzen AI 7 PRO 350 Laptop 40.6 cm (16") Full HD+ 16 GB DDR5-SDRAM 512 GB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Platinum

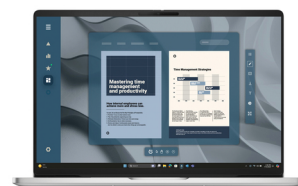
Brand : DELL

Product family: Pro

Product code:
BTO603_PC16255_EMEA

Product name : PC16255

DELL Pro 16 PC16255. 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: 16 GB, Internal memory type: DDR5-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



Design		Network	
Colour name	Platinum Silver Color (Metallic Finish)	Ethernet LAN data rates	10,100,1000 Mbit/s
Product type *	Laptop	Bluetooth	✓
Product colour *	Platinum	Ports & interfaces	
Form factor *	Clamshell	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Display		USB4 Gen 3x2 ports quantity	2
Display diagonal *	40.6 cm (16")	Ethernet LAN (RJ-45) ports	1
Display resolution *	1920 x 1200 pixels	HDMI ports quantity *	1
Touchscreen *	✗	HDMI version	2.1
HD type	Full HD+	Combo headphone/mic port	✓
Panel type	IPS	Power adapter barrel connector	4.5 mm
Native aspect ratio	16:10	USB Type-C DisplayPort Alternate Mode	✓
Anti-glare screen	✓	PowerShare	✓
Display brightness	300 cd/m²	Number of USB ports with PowerShare support	1
Pixel density	141 ppi	Performance	
RGB colour space	NTSC	Hall sensor	✓
Colour gamut	45%	Keyboard	
Maximum refresh rate	60 Hz	Pointing device	Touchpad
Contrast ratio (typical)	1000:1	Numeric keypad *	✓
Processor		Keyboard backlit	✓
Processor manufacturer *	AMD	Copilot key	✓
Processor family *	AMD Ryzen AI 7 PRO	Software	
Processor generation	AMD Ryzen AI PRO 300 Series	Operating system architecture	64-bit
Processor model *	350	Trial software	McAfee Business Protection 1-year, Microsoft Office Trial
Processor cores	8	Operating system installed *	Windows 11 Pro
Processor threads	16	Battery	
Processor boost frequency	5 GHz	Number of battery cells	3
Processor frequency *	3.5 GHz	Battery capacity *	55 Wh
Processor cache	24 MB	Battery recharge time	4 h
Processor cache type	L2 & L3	Fast charging	✓
Neural processor unit (NPU)			
Neural processor unit (NPU)	AMD Ryzen AI		
Total processor performance up to	66 TOPs		
NPU performance up to	50 TOPs		

Memory		Power	
Internal memory *	16 GB	AC adapter power	65 W
Internal memory type	DDR5-SDRAM	AC adapter frequency	50 - 60 Hz
Memory form factor	SO-DIMM	AC adapter input voltage	100 - 240 V
Memory layout (slots x size)	1 x 16 GB	DC-in jack	✓
Memory slots	2x SO-DIMM	USB Type-C charging port *	✓
Maximum internal memory *	64 GB	USB Type-C required charging power (min) *	45 W
Memory data transfer rate	5600 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	Fingerprint reader	✓
SSD interface	PCI Express 4.0	Trusted Platform Module (TPM)	✓
NVMe	✓	Trusted Platform Module (TPM) version	2.0
SSD form factor	M.2	Operational conditions	
M.2 SSD size	2230 (22 x 30 mm)	Operating temperature (T-T)	0 - 40 °C
Optical drive type *	✗	Storage temperature (T-T)	-40 - 65 °C
Graphics		Operating relative humidity (H-H)	0 - 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	140 G
Audio		Operating vibration	0.66 G
Audio chip	Realtek ALC3204	Weight & dimensions	
Audio system	High Definition Audio	Width	358 mm
Number of built-in speakers	2	Depth	251.8 mm
Speaker power	2.5 W	Height (front)	1.89 cm
Built-in microphone	✓	Height (rear)	2.08 cm
Number of microphones	2	Weight *	1.94 kg
Camera		Carbon footprint	
Front camera	✓	Total carbon footprint (kg of CO2e)	132
Front camera resolution (numeric)	2.07 MP	Carbon emissions, manufacturing (kg of CO2e)	97.812
Front camera resolution	1920 x 1080 pixels	Carbon emissions, logistics (kg of CO2e)	6.072
Front camera HD type	Full HD	Carbon emissions, energy usage (kg of CO2e)	25.08
Video capturing speed	30 fps	Carbon emissions, end-of-life (kg of CO2e)	3.04
Infrared (IR) camera	✓	PAIA version	GaBi version 1, 2024
Privacy camera	✓	Packaging content	
Privacy type	Privacy shutter	AC adapter included *	✓
Network			
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)		
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6E (802.11ax)		
Mobile network connection *	✗		
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	MediaTek MT7922		
WLAN controller manufacturer	MediaTek		
Ethernet LAN	✓		

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