

Dell Pro 14 Essential PV14255 - 14" - AMD Ryzen 7 - 250 - 16 GB RAM - 512 GB SSD(M58DR)

Dell Pro 14 Essential PV14255 R7-250 AMD Ryzen(TM) 7 250 16GB, 1x16GB, DDR5, 5600MT/s 512GB M.2 PCIe NVMe Solid State Drive 14.0-inch FHD+ (1920x1200) Anti-Glare Non-Touch 300nits WVA/IPS Display AMD Radeon Graphics Carbon Black Power Button with Fingerprint Reader Realtek Wi-Fi 6 RTL8852BE, 2x2, 802.11ax, MU-MIMO, Bluetooth wireless card Carbon Black UK/Irish backlit Copilot key keyboard, no numeric keypad 4-Cell Battery, 54WHR (Integrated) 65 Watt AC adapter UK Power Cord Windows 11 Pro McAfee Business Protection 1-year Activate Your Microsoft 365 For A 30 Day Trial System Driver for Windows Black 1Y Basic Onsite



The Dell Pro 14 Essential PV14255 is designed for professionals seeking efficient performance and a rich visual experience. Featuring a 14-inch Full HD Plus display with a native resolution of 1920 x 1200, users can enjoy vibrant colors and wide viewing angles thanks to its IPS technology and anti-glare finish. With a brightness of 300 cd/m², the display is suitable for various lighting conditions, ensuring clarity during presentations or while working on tasks. The laptop is powered by an AMD Ryzen 7 processor, boasting 8 cores and a max turbo speed of 5.1 GHz, providing processing capabilities for multitasking and demanding applications. Equipped with 16 GB DDR5 RAM and a 512 GB NVMe SSD, this notebook offers plenty of memory and storage for operations. Networking capabilities are robust, featuring Wi-Fi 6 and Bluetooth for stable connections, ensuring productivity is never compromised irrespective of location. Additionally, the inclusion of a fingerprint reader enhances security, ensuring sensitive information remains protected.

Key Selling Points

- 14-inch Full HD Plus display for vivid visuals
- Powered by an AMD Ryzen 7 processor for robust performance
- 16 GB DDR5 RAM for effective multitasking
- 512 GB NVMe SSD for rapid data access
- Wi-Fi 6 and Bluetooth connectivity for reliable networking

Product Features

High-resolution display

The 14-inch Full HD Plus display delivers a resolution of 1920 x 1200, providing sharp and vibrant images for an enhanced viewing experience.

Powerful processing

Equipped with an AMD Ryzen 7 processor featuring 8 cores and a max turbo speed of 5.1 GHz, this laptop ensures smooth multitasking and efficient performance.

Ample storage

With a 512 GB NVMe SSD, users benefit from quick boot-up times and ample space for storing important files and applications.

Advanced connectivity

Featuring Wi-Fi 6 and Bluetooth capabilities, the laptop provides reliable and fast connections to networks and devices, facilitating productivity on-the-go.

Enhanced security

The integrated fingerprint reader adds an extra layer of security, allowing for quick and secure access to the device.

Main Specifications

Product Description	Dell Pro 14 Essential PV14255 - 14" - AMD Ryzen 7 - 250 - 16 GB RAM - 512 GB SSD
Product Type	Notebook
Operating System	Win 11 Pro
Processor	AMD Ryzen 7 250 up to 5.1 GHz / 16 MB Cache
Neural Processor Unit (NPU)	AMD Ryzen AI - up to 16 TOPS
Memory	16 GB DDR5 (1 x 16 GB)
Storage	512 GB SSD - NVMe, Class 25
Display	14" 1920 x 1200 / Full HD Plus @ 60 Hz - 162 ppi
Graphics	AMD Radeon 780M

Keyboard Backlight	Yes
Integrated Webcam	Yes
Networking	Bluetooth, 802.11a/b/g/n/ac/ax
Battery	4-cell
Security	Fingerprint reader
Colour	Carbon black
Dimensions (WxDxH)	31.4 cm x 22.615 cm x 1.99 cm
Weight	1.54 kg
Pricing Type	Build To Stock (BTS)
Manufacturer Selling Program	Dell Smart Selection
Environmental Standards	ENERGY STAR Qualified EPEAT Silver, EPEAT Climate+
Carbon Footprint	96.8 kg carbon emissions
Bundled Services	1 Year Basic Onsite

Extended Specification

General

Product Type	Notebook
Operating System	Windows 11 Pro

Memory

RAM	16 GB (1 x 16 GB)
Max RAM Supported	32 GB
Technology	DDR5 SDRAM
Speed	5600 MT/s
Rated Speed	5600 MT/s
Form Factor	SO-DIMM 262-pin
Slots Qty	2
Empty Slots	1

Manufacturer Warranty

Bundled Services	1 Year Basic Onsite
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Storage

Main Storage	512 GB SSD M.2 2230 PCIe 4.0 - NVMe Express (NVMe), Class 25
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Miscellaneous

Colour	Carbon black
Case Material	Plastic
Security	Fingerprint reader
Features	ExpressCharge
Theft/Intrusion Protection	Security lock slot (cable lock sold separately)
Security Slot Type	Wedge-shaped security slot
Included Accessories	Power adapter
Pricing Type	Build To Stock (BTS)
Manufacturer Selling Program	Dell Smart Selection

Environmental Parameters

Min Operating Temperature	0 °C
Max Operating Temperature	40 °C
Humidity Range Operating	90% (non-condensing)

Shock Tolerance (operating) 140 g @ 2 ms half-sine pulse

Vibration Tolerance (operating) 0.66 g @ RMS (random)

Software

Software Included McAfee Business Protection (1-year), Dell Additional Softwares, Activate your Microsoft 365 for a 30 day trial

Display

Type	14" - IPS
Resolution	1920 x 1200 (Full HD Plus)
V-Sync Rate at Max Res.	60 Hz
Widescreen	Yes
Pixel Density (ppi)	162
Image Brightness	300 cd/m ²
Horizontal Viewing Angle	+85 / -85
Vertical Viewing Angle	+85 / -85
Colour Gamut	45% NTSC
Features	Anti-glare, Wide Viewing Angle, 35 ms response rate, 0.157 mm pixel pitch

Battery

Technology	4-cell lithium polymer
Weight	240 g
Capacity	54 Wh

Communications

Wireless	Bluetooth, 802.11a/b/g/n/ac/ax
Wireless Controller	Realtek RTL8852BE - M.2 2230
Features	Dual stream (2x2), MU-MIMO

Dimensions & Weight

Dimensions (WxDxH)	31.4 cm x 22.615 cm x 1.99 cm
Weight	1.54 kg

Processor / Chipset

CPU	AMD Ryzen 7 250
Max Turbo Speed	5.1 GHz
Number of Cores	8-core
Cache	L3 - 16 MB
Features	16 Threads

Audio & Video

Graphics Processor	AMD Radeon 780M
Camera	Yes - HD
Resolution	0.92 Megapixel
Image Sensor Type	CMOS
Video Resolutions	1280 x 720
Frame Rate	30 frames per second
Camera Features	75 degrees, RGB camera
Sound	Stereo speakers, microphone
Codec	Realtek ALC3204
Compliant Standards	High Definition Audio

Input

Type	Keyboard, touchpad
Keyboard Backlight	Yes
Features	Copilot key

AC Adapter

Input	AC 100-240 V (50/60 Hz)
Output	65 Watt

Connections & Expansion

Interfaces Details	HDMI USB-C 3.2 Gen 2 (supports DisplayPort 1.4 Alt Mode) (Power Delivery) 2 x USB 3.2 Gen 1 Headphone/microphone combo jack
Memory Card Reader	Yes (SD Card, SDHC Card, SDXC Card)

Sustainability Information

EPEAT Compliant	EPEAT Silver
EPEAT Climate+	Yes
ENERGY STAR Certified	Yes
Carbon Footprint	96.8 kg carbon emissions
Manufacturing (kg CO2e)	73.6648
Logistics (kg CO2e)	2.904
Use (kg CO2e)	18.9728
EOL (kg CO2e)	1.26
PAIA Version	GaBi version 1, 2025

Neural Processor Unit (NPU)

Neural Processor Unit (NPU)	AMD Ryzen AI
NPU Performance Up To (TOPS)	16 TOPS
Total Processor Performance Up To (TOPS)	38 TOPS

What's in the box

Dell Pro 14 Essential PV14255
Power adapter

Product data is provided by CNET, we do not warrant the accuracy and completeness of the material contained in this data sheet