



DELL Pro 14 Essential PV14255 AMD Ryzen™ 5 220 Laptop 35.6 cm (14") Full HD+ 16 GB DDR5-SDRAM 512 GB SSD Wi-Fi 6 (802.11ax) Windows 11 Home Black English

Brand : DELL

Product family: Pro

Product code:
PV14255_HWK_551_HOM

Product name : PV14255

DELL Pro 14 Essential PV14255. Product type: Laptop, Form factor: Clamshell. Processor family: AMD Ryzen™ 5, Processor model: 220, Processor frequency: 3.2 GHz. Display diagonal: 35.6 cm (14"), 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 740M. Operating system installed: Windows 11 Home. Product colour: Black



Design		Network	
Product type *	Laptop	Bluetooth	✓
Product colour *	Black	MIMO	✓
Form factor *	Clamshell	MIMO type	Multi User MIMO
Housing material	Plastic	Ports & interfaces	
Display		USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Display diagonal *	35.6 cm (14")	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Display resolution *	1920 x 1200 pixels	HDMI ports quantity *	1
Touchscreen *	✗	HDMI version	1.4
HD type	Full HD+	Combo headphone/mic port	✓
Panel type	IPS WVA	Power adapter barrel connector	4.5 mm
Display technology marketing name	ComfortView	USB Type-C DisplayPort Alternate Mode	✓
Native aspect ratio	16:10	Keyboard	
Anti-glare screen	✓	Pointing device	Touchpad
Display brightness	300 cd/m²	Numeric keypad *	✗
Pixel density	162 ppi	Keyboard language	English
RGB colour space	NTSC	Copilot key	✓
Colour gamut	45%	Software	
Display response rise/fall	35 ms	Operating system architecture	64-bit
Maximum refresh rate	60 Hz	Trial software	Activate Your Microsoft 365 For A 30 Day Trial
Contrast ratio (typical)	800:1	Operating system installed *	Windows 11 Home
Processor		Bundled software	McAfee LiveSafe 1-year (5-device) System Driver for Windows
Processor manufacturer *	AMD	Battery	
Processor family *	AMD Ryzen™ 5	Battery technology	Lithium Polymer (LiPo)
Processor generation	AMD Ryzen 200 Series	Number of battery cells	3
Processor model *	220	Battery capacity *	41 Wh
Processor cores	6	Battery voltage	11.25 V
Processor threads	12	Battery recharge time	3 h
Processor boost frequency	4.9 GHz		
Processor frequency *	3.2 GHz		
L3 cache	16 MB		
L2 cache	6 MB		
Processor base power	15 W		

Processor		Battery	
Maximum turbo power	30 W	Fast charging	✓
Neural processor unit (NPU)		Battery charge indicator	✓
Neural processor unit (NPU)	✗	Battery weight	180 g
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	AC adapter output current	3.34 A
Memory slots	2x SO-DIMM	AC adapter output voltage	19.5 V
Maximum internal memory *	32 GB	DC-in jack	✓
Memory data transfer rate	5600 MT/s	USB Type-C charging port *	✓
Storage		USB Type-C required charging power (min) *	45 W
Total storage capacity *	512 GB	USB Type-C required charging power (max) *	60 W
Storage media *	SSD	USB Power Delivery (USB PD)	✓
Total SSDs capacity	512 GB	Security	
Number of SSDs installed	1	Cable lock slot	✓
SSD capacity	512 GB	Cable lock slot type	Wedge
SSD interface	PCI Express 4.0	Fingerprint reader	✗
NVMe	✓	Trusted Platform Module (TPM)	✓
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
Card reader integrated	✓	Operating relative humidity (H-H)	0 - 90%
Compatible memory cards	SD, SDHC, SDXC	Storage relative humidity (H-H)	0 - 95%
Graphics		Non-operating shock	140 G
Discrete graphics card model *	Not available	Operating vibration	0.66 G
On-board graphics card *	✓	Weight & dimensions	
On-board GPU manufacturer	AMD	Width	314 mm
Discrete graphics card *	✗	Depth	226.2 mm
On-board graphics card family	AMD Radeon	Height	19.9 mm
On-board graphics card model *	AMD Radeon 740M	Height (front)	1.69 cm
Audio		Height (rear)	1.81 cm
Audio chip	Realtek ALC3204	Carbon footprint	
Audio system	High Definition Audio	Total carbon footprint (kg of CO2e)	96.8
Number of built-in speakers	2	Carbon emissions, manufacturing (kg of CO2e)	73.66
Speaker power	2.5 W	Carbon emissions, logistics (kg of CO2e)	2.9
Built-in microphone	✓	Carbon emissions, energy usage (kg of CO2e)	18.97
Camera		Carbon emissions, end-of-life (kg of CO2e)	1.26
Front camera	✓	PAIA version	GaBi version 1, 2025
Front camera resolution (numeric)	0.92 MP	Packaging content	
Front camera resolution	1280 x 720 pixels	AC adapter included *	✓
Front camera HD type	HD	Cables included	AC
Video capturing speed	30 fps		
Network			
Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)		
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, Wi-Fi 6 (802.11ax), 802.11g, Wi-Fi 4 (802.11n)		
Mobile network connection *	✗		
Antenna type	2x2		
WLAN controller model	Realtek RTL8852BE		
WLAN controller manufacturer	Realtek		

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