



DELL DC16251 Intel Core 7 150U Laptop 40.6 cm (16") Full HD+ 16 GB DDR5-SDRAM 512 GB SSD Wi-Fi 6E (802.11ax) Windows 11 Home Platinum, Silver

Brand : DELL

Product code: DC16251_RPLU-R_005_HOM

Product name : DC16251



DELL DC16251. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core 7, Processor model: 150U. 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: Intel® Graphics. Operating system installed: Windows 11 Home. Product colour: Platinum, Silver

Design		Network	
Product type *	Laptop	Wi-Fi band	Tri-band (2.4 GHz / 5 GHz / 6 GHz)
Product colour *	Platinum, Silver	Antenna type	2x2
Form factor *	Clamshell	WLAN controller model	Realtek RTL8852CE
Display		WLAN controller manufacturer	Realtek
Display diagonal *	40.6 cm (16")	Bluetooth	✓
Display resolution *	1920 x 1200 pixels	MIMO	✓
Touchscreen *	✗	MIMO type	Multi User MIMO
HD type	Full HD+	Ports & interfaces	
Panel type	WVA	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Display technology marketing name	ComfortView	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Native aspect ratio	16:10	HDMI ports quantity *	1
Anti-glare screen	✓	HDMI version	1.4
Display brightness	300 cd/m²	Combo headphone/mic port	✓
Pixel density	141 ppi	Power adapter barrel connector	4.5 mm
RGB colour space	NTSC	USB Type-C DisplayPort Alternate Mode	✓
Colour gamut	45%	Performance	
Maximum refresh rate	60 Hz	Accelerometer	✓
Contrast ratio (typical)	1000:1	Keyboard	
Processor		Pointing device	Touchpad
Processor manufacturer *	Intel	Numeric keypad *	✓
Processor family *	Intel Core 7	Keyboard backlit	✓
Processor generation	Intel Core (Series 1)	Copilot key	✓
Processor model *	150U	Software	
Processor cores	10	Operating system architecture	64-bit
Processor threads	12	Operating system installed *	Windows 11 Home
Processor boost frequency	5.4 GHz	Battery	
Performance cores	2	Battery technology	Lithium Polymer (LiPo)
Efficient cores	8		
Performance-core Max Turbo Frequency	5.4 GHz		
Efficient-core Max Turbo Frequency	4 GHz		
Performance-core base frequency	1.8 GHz		

Processor		Battery	
Efficient-core base frequency	1.2 GHz	Number of battery cells	4
Processor cache	12 MB	Battery capacity *	54 Wh
Processor cache type	Smart Cache	Battery voltage	15 V
Processor base power	15 W	Battery recharge time	3 h
Maximum turbo power	55 W	Fast charging	✓
Memory		Battery charge indicator	✓
Internal memory *	16 GB	Battery weight	240 g
Internal memory type	DDR5-SDRAM	Power	
Memory form factor	SO-DIMM	AC adapter power	65 W
Memory layout (slots x size)	2 x 8 GB	AC adapter frequency	50 - 60 Hz
Memory slots	2x SO-DIMM	AC adapter input voltage	100 - 240 V
Maximum internal memory *	32 GB	AC adapter output voltage	19.5 V
Memory data transfer rate	5200 MT/s	DC-in jack	✓
Storage		USB Type-C charging port *	✓
Total storage capacity *	512 GB	USB Type-C required charging power (min) *	27 W
Storage media *	SSD	USB Type-C required charging power (max) *	65 W
Total SSDs capacity	512 GB	USB Power Delivery (USB PD)	✓
Number of SSDs installed	1	Security	
SSD capacity	512 GB	Cable lock slot	✓
SSD interface	PCI Express 4.0	Cable lock slot type	Wedge
NVMe	✓	Fingerprint reader	✓
SSD form factor	M.2	Trusted Platform Module (TPM)	✓
M.2 SSD size	2230 (22 x 30 mm)	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	SD, SDHC, SDXC	Storage temperature (T-T)	-40 - 70 °C
Graphics		Operating relative humidity (H-H)	10 - 90%
Discrete graphics card model *	Not available	Storage relative humidity (H-H)	5 - 95%
On-board graphics card *	✓	Operating altitude	-15.2 - 3048 m
On-board GPU manufacturer	Intel	Non-operating altitude	-15.2 - 10668 m
Discrete graphics card *	✗	Operating shock	110 G
On-board graphics card family	Intel® Graphics	Non-operating shock	160 G
On-board graphics card model *	Intel® Graphics	Operating vibration	0.66 G
Audio		Non-operating vibration	1.3 G
Audio chip	Realtek ALC3254	Weight & dimensions	
Audio system	High Definition Audio	Width	356.8 mm
Number of built-in speakers	2	Depth	249.5 mm
Speaker power	2.5 W	Height (front)	1.62 cm
Built-in microphone	✓	Height (rear)	1.74 cm
Number of microphones	2	Carbon footprint	
Camera		Total carbon footprint (kg of CO2e)	101
Front camera	✓	Carbon emissions, manufacturing (kg of CO2e)	74.134
Front camera resolution (numeric)	2.07 MP	Carbon emissions, logistics (kg of CO2e)	4.04
Front camera resolution	1920 x 1080 pixels	Carbon emissions, energy usage (kg of CO2e)	21.008
Front camera HD type	Full HD	Carbon emissions, end-of-life (kg of CO2e)	1.82
Video capturing speed	30 fps	PAIA version	GaBi version 1, 2025
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, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax)		
Mobile network connection *	✗		



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