



DELL 14 Premium DA14250 Intel Core Ultra 7 255H Laptop 36.8 cm (14.5") WUXGA 32 GB LPDDR5x-SDRAM 1 TB SSD NVIDIA GeForce RTX 4050 Wi-Fi 7 (802.11be) Windows 11 Pro US International Platinum

Brand : DELL

Product family: 14 Premium

Product code: JDFP8

Product name : DA14250

DELL 14 Premium DA14250. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 255H. Display diagonal: 36.8 cm (14.5"), HD type: WUXGA, Display resolution: 1920 x 1200 pixels. Internal memory: 32 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel Arc 140T, Discrete graphics card model: NVIDIA GeForce RTX 4050. Operating system installed: Windows 11 Pro. Product colour: Platinum



Design		Audio	
Product type *	Laptop	Speaker power	2.5 W
Product colour *	Platinum	Built-in microphone	✓
Form factor *	Clamshell	Number of microphones	2
Market positioning	Premium	Camera	
Display		Front camera	✓
Display diagonal *	36.8 cm (14.5")	Front camera resolution (numeric)	2.07 MP
Display resolution *	1920 x 1200 pixels	Front camera resolution	1920 x 1080 pixels
Touchscreen *	✗	Front camera HD type	Full HD
HD type	WUXGA	Video capturing speed	30 fps
Panel type	IPS	Infrared (IR) camera	✓
Native aspect ratio	16:10	Network	
Anti-glare screen	✓	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Display bezel technology	InfinityEdge	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)
Display brightness	500 cd/m ²	Mobile network connection *	✗
Pixel density	156 ppi	Wi-Fi band	Tri-band (2.4 GHz / 5 GHz / 6 GHz)
RGB colour space	sRGB	Wi-Fi data rate (max)	5800 Mbit/s
Colour gamut	100%	Antenna type	2x2
Low Blue Light technology	✓	WLAN controller model	Intel Wi-Fi 7 BE201
Display response rise/fall	24 ms	WLAN controller manufacturer	Intel
Maximum refresh rate	120 Hz	Bluetooth	✓
Contrast ratio (typical)	2000:1	Ports & interfaces	
Processor		Thunderbolt 4 ports quantity	3
Processor manufacturer *	Intel	Intel® Thunderbolt 4	✓
Processor family *	Intel Core Ultra 7	Combo headphone/mic port	✓
Processor generation	Intel Core Ultra (Series 2)	USB Type-C DisplayPort Alternate Mode	✓
Processor model *	255H	Performance	
Processor cores	16	Ambient light sensor	✓
Processor threads	16		
Processor boost frequency	5.1 GHz		
Performance cores	6		
Efficient cores	8		
Low Power Efficient-cores	2		

Processor		Keyboard	
Performance-core Max Turbo Frequency	5.1 GHz	Pointing device	Touchpad
Efficient-core Max Turbo Frequency	4.4 GHz	Numeric keypad *	✗
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Keyboard backlit	✓
Performance-core base frequency	2 GHz	Keyboard language	US International
Efficient-core base frequency	1.5 GHz	Software	
Low Power Efficient-core Base Frequency	700 MHz	Operating system architecture	64-bit
Processor cache	24 MB	Trial software	McAfee Business Protection 1-year, Activate Your Microsoft 365 For A 30 Day Trial
Processor base power	28 W	Operating system installed *	Windows 11 Pro
Maximum turbo power	115 W	Processor special features	
Neural processor unit (NPU)		Intel® Evo™ Platform Verified	✓
Neural processor unit (NPU)	Intel AI Boost	Battery	
Sparsity support	✓	Battery technology	Lithium Polymer (LiPo)
Windows Studio effects support	✓	Number of battery cells	6
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Battery capacity *	70 Wh
Total processor performance up to	96 TOPs	Battery voltage	11.7 V
NPU performance up to	13 TOPs	Battery recharge time	2 h
GPU performance up to	74 TOPs	Fast charging	✓
Memory		Battery weight	270 g
Internal memory *	32 GB	Power	
Internal memory type	LPDDR5x-SDRAM	AC adapter power	100 W
Memory form factor	On-board	AC adapter frequency	50 - 60 Hz
Maximum internal memory *	32 GB	AC adapter input voltage	100 - 240 V
Memory channels	Dual-channel	USB Type-C charging port *	✓
Memory data transfer rate	8400 MT/s	USB Type-C required charging power (min) *	45 W
Storage		USB Type-C required charging power (max) *	100 W
Total storage capacity *	1 TB	USB Power Delivery (USB PD)	✓
Storage media *	SSD	Security	
Total SSDs capacity	1 TB	Fingerprint reader	✓
Number of SSDs installed	1	Operational conditions	
SSD capacity	1 TB	Operating temperature (T-T)	0 - 35 °C
SSD interface	PCI Express 4.0	Storage temperature (T-T)	-40 - 65 °C
NVMe	✓	Operating relative humidity (H-H)	10 - 90%
SSD form factor	M.2	Storage relative humidity (H-H)	0 - 95%
Optical drive type *	✗	Operating altitude	-15.2 - 3048 m
Card reader integrated	✓	Non-operating altitude	-15.2 - 10668 m
Compatible memory cards	MicroSD (TransFlash), MicroSDHC, MicroSDXC	Operating shock	110 G
Graphics		Non-operating shock	160 G
Discrete GPU manufacturer	NVIDIA	Operating vibration	0.66 G
Discrete graphics card model *	NVIDIA GeForce RTX 4050	Non-operating vibration	1.3 G
Discrete graphics card memory	6 GB	Weight & dimensions	
Discrete graphics memory type	GDDR6	Width	320 mm
On-board graphics card *	✓	Depth	216 mm
On-board GPU manufacturer	Intel	Height (front)	6.7 mm
Discrete graphics card *	✓	Height (rear)	1.8 cm
On-board graphics card family	Intel Arc Graphics	Carbon footprint	
On-board graphics card model *	Intel Arc 140T	Total carbon footprint (kg of CO2e)	329
Audio		Total carbon emissions, standard deviation (kg of CO2e)	60
Audio chip	Cirrus Logic CS42L43	Carbon emissions, manufacturing (kg of CO2e)	42.441
Audio system	MaxxAudio Pro	Carbon emissions, logistics (kg of CO2e)	16.121
Number of built-in speakers	4	Carbon emissions, energy usage (kg of CO2e)	42.441
Speakers manufacturer	Waves		

Carbon footprint

Carbon emissions, end-of-life (kg of CO2e)	1.97
PAIA version	PAIA 1.4.7, 2025

Packaging content

AC adapter included *	✓
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