



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 German Platinum

Brand : DELL

Product family: 14 Premium

Product code: HF2MT

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	Built-in microphone	✓
Product colour *	Platinum	Number of microphones	2
Form factor *	Clamshell	Camera	
Market positioning	Premium	Front camera	✓
Display		Front camera resolution (numeric)	2.07 MP
Display diagonal *	36.8 cm (14.5")	Front camera resolution	1920 x 1080 pixels
Display resolution *	1920 x 1200 pixels	Front camera HD type	Full HD
Touchscreen *	✗	Video capturing speed	30 fps
HD type	WUXGA	Infrared (IR) camera	✓
Panel type	IPS	Network	
Native aspect ratio	16:10	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Anti-glare screen	✓	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	Keyboard	
Processor boost frequency	5.1 GHz	Pointing device	Touchpad
Performance cores	6		
Efficient cores	8		
Low Power Efficient-cores	2		

Processor		Keyboard	
Performance-core Max Turbo Frequency	5.1 GHz	Numeric keypad *	✗
Efficient-core Max Turbo Frequency	4.4 GHz	Keyboard backlit	✓
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Keyboard language	German
Neural processor unit (NPU)		Software	
Performance-core base frequency	2 GHz	Operating system architecture	64-bit
Efficient-core base frequency	1.5 GHz	Trial software	Activate Your Microsoft 365 For A 30 Day Trial
Low Power Efficient-core Base Frequency	700 MHz	Operating system installed *	Windows 11 Pro
Processor cache	24 MB	Bundled software	McAfee Business Protection 1-year
Processor base power	28 W	Processor special features	
Maximum turbo power	115 W	Intel® Evo™ Platform Verified	✓
Memory		Battery	
Neural processor unit (NPU)	Intel AI Boost	Battery technology	Lithium Polymer (LiPo)
Sparsity support	✓	Number of battery cells	6
Windows Studio effects support	✓	Battery capacity *	70 Wh
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Battery voltage	11.7 V
Total processor performance up to	96 TOPs	Battery recharge time	2 h
NPU performance up to	13 TOPs	Fast charging	✓
GPU performance up to	74 TOPs	Battery weight	270 g
Storage		Power	
Internal memory *	32 GB	AC adapter power	100 W
Internal memory type	LPDDR5x-SDRAM	AC adapter frequency	50 - 60 Hz
Memory form factor	On-board	AC adapter input voltage	100 - 240 V
Maximum internal memory *	32 GB	USB Type-C charging port *	✓
Memory channels	Dual-channel	USB Type-C required charging power (min) *	27 W
Memory data transfer rate	8400 MT/s	USB Type-C required charging power (max) *	60 W
Graphics		USB Power Delivery (USB PD)	
Total storage capacity *	1 TB		✓
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
Audio		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
		Total carbon emissions, standard deviation (kg of CO2e)	60
		Carbon emissions, manufacturing (kg of CO2e)	42.441
		Carbon emissions, logistics (kg of CO2e)	16.121
		Carbon emissions, energy usage (kg of CO2e)	42.441

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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Catalog Object Cloud



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