



DELL 14 Premium DA14250 Intel Core Ultra 7 255H Laptop 36.8 cm (14.5") Touchscreen 3.2K 32 GB LPDDR5x-SDRAM 1 TB SSD NVIDIA GeForce RTX 4050 Wi-Fi 7 (802.11be) Windows 11 Pro Platinum US English



Brand : DELL

Product family: 14 Premium

Product code: 4MMXY

Product name : DA14250

- Windows 11 Pro 64-bit
- Intel Core Ultra 7 255H (24MB Cache)
- 36.8 cm (14.5") 3.2K 3200 x 2000 AMOLED Touch, NVIDIA GeForce RTX 4050 (6GB GDDR6)
- 32GB LPDDR5x-SDRAM & 1000GB SSD
Intel Core Ultra 7 255H (24MB Cache), 32GB LPDDR5x-SDRAM, 1000GB SSD, 36.8 cm (14.5") 3.2K 3200 x 2000 AMOLED Touch, Intel Arc 140T, NVIDIA GeForce RTX 4050 (6GB GDDR6), WLAN, Webcam, Windows 11 Pro 64-bit

[DELL 14 Premium DA14250 Intel Core Ultra 7 255H Laptop 36.8 cm \(14.5"\) Touchscreen 3.2K 32 GB LPDDR5x-SDRAM 1 TB SSD NVIDIA GeForce RTX 4050 Wi-Fi 7 \(802.11be\) Windows 11 Pro Platinum US English:](#)

Power in motion

A perfect balance of performance and mobility in an iconic design. Powered by AI-capable Intel® Core™ processors and up to NVIDIA® GeForce RTX™ 4050 graphics.

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 *	3200 x 2000 pixels	Front camera resolution	1920 x 1080 pixels
Touchscreen *	✓	Front camera HD type	Full HD
HD type	3.2K	Video capturing speed	30 fps
Panel type	AMOLED	Infrared (IR) camera	✓
Native aspect ratio	16:10	Network	
Anti-glare screen	✓	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Anti-reflective coating	✓	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	400 cd/m²	Mobile network connection *	✗
Pixel density	260 ppi	Wi-Fi band	Tri-band (2.4 GHz / 5 GHz / 6 GHz)
RGB colour space	DCI-P3	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	1 ms	WLAN controller manufacturer	Intel
Maximum refresh rate	120 Hz	Bluetooth	✓
Contrast ratio (typical)	1000000:1	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 English
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	Operating system installed *	Windows 11 Pro
Processor base power	28 W	Bundled software	Activate Your Microsoft 365 For A 30 Day Trial
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
Total Graphics Power (TGP)	30 W	Total carbon emissions, standard deviation (kg of CO2e)	60
Audio		Carbon emissions, manufacturing (kg of CO2e)	268.46
Audio chip	Cirrus Logic CS42L43	Carbon emissions, logistics (kg of CO2e)	16.12
Audio system	MaxxAudio Pro	Carbon emissions, energy usage (kg of CO2e)	42.44
Number of built-in speakers	4		
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 *	✓
-----------------------	---



0884116670681



884116670681

Catalog Object Cloud



Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity. Automated scraping, data mining, or harvesting for the purpose of training machine learning models, neural networks, or artificial intelligence systems is strictly prohibited without a commercial license.