



DELL 16 Premium DA16250 Intel Core Ultra 7 255H Laptop 41.4 cm (16.3") Touchscreen 4K Ultra HD 32 GB LPDDR5x-SDRAM 1 TB SSD NVIDIA GeForce RTX 5060 Wi-Fi 7 (802.11be) Windows 11 Pro English Platinum

Brand : DELL

Product family: 16 Premium

Product code:
DA16250_ARLH_011

Product name : DA16250

DELL 16 Premium DA16250. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 255H. Display diagonal: 41.4 cm (16.3"), HD type: 4K Ultra HD, Display resolution: 3840 x 2400 pixels, Touchscreen. 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. Operating system installed: Windows 11 Pro. Product colour: Platinum



Design		Camera	
Product type *	Laptop	Front camera	✓
Product colour *	Platinum	Front camera resolution (numeric)	2.07 MP
Form factor *	Clamshell	Front camera resolution	1920 x 1080 pixels
Display		Front camera HD type	Full HD
Display diagonal *	41.4 cm (16.3")	Video capturing speed	30 fps
Display resolution *	3840 x 2400 pixels	Infrared (IR) camera	✓
Touchscreen *	✓	Network	
HD type	4K Ultra HD	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Panel type	OLED	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax), Wi-Fi 7 (802.11be)
Native aspect ratio	16:10	Mobile network connection *	✗
Anti-reflective coating	✓	Wi-Fi band	Tri-band (2.4 GHz / 5 GHz / 6 GHz)
Anti-smudge coating	✓	Wi-Fi data rate (max)	5800 Mbit/s
Display bezel technology	InfinityEdge	Antenna type	2x2
Display brightness	400 cd/m ²	WLAN controller model	Intel Wi-Fi 7 BE201
Pixel density	278.1 ppi	WLAN controller manufacturer	Intel
RGB colour space	DCI-P3	Ethernet LAN	✗
Colour gamut	100%	Bluetooth	✓
Low Blue Light technology	✓	Ports & interfaces	
Display response rise/fall	2 ms	Thunderbolt 4 ports quantity	3
Maximum refresh rate	120 Hz	Intel® Thunderbolt 4	✓
Contrast ratio (typical)	1000000:1	Combo headphone/mic port	✓
Processor		USB Type-C DisplayPort Alternate Mode	✓
Processor manufacturer *	Intel	Performance	
Processor family *	Intel Core Ultra 7	Motherboard chipset	Intel SoC
Processor generation	Intel Core Ultra (Series 2)	Ambient light sensor	✓
Processor model *	255H	Keyboard	
Processor cores	16	Pointing device	Touchpad
Processor threads	16	Numeric keypad *	✗
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	Keyboard backlit	✓
Efficient-core Max Turbo Frequency	4.4 GHz	Keyboard language	English
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Software	
Performance-core base frequency	2 GHz	Operating system architecture	64-bit
Efficient-core base frequency	1.5 GHz	Trial software	McAfee Business Protection 1-year, 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	Brand-specific features	
Processor base power	28 W	Brand specific technologies	Express Charge Boost capable
Maximum turbo power	115 W	Battery	
Neural processor unit (NPU)		Battery technology	Lithium-Ion (Li-Ion)
Neural processor unit (NPU)	Intel AI Boost	Number of battery cells	6
Sparsity support	✓	Battery capacity *	99.5 Wh
Windows Studio effects support	✓	Battery voltage	11.7 V
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Battery recharge time	2 h
Total processor performance up to	96 TOPs	Fast charging	✓
NPU performance up to	13 TOPs	Battery weight	380 g
GPU performance up to	74 TOPs	Power	
Memory		AC adapter power	130 W
Internal memory *	32 GB	AC adapter frequency	50/60 Hz
Internal memory type	LPDDR5x-SDRAM	AC adapter input voltage	100 - 240 V
Memory form factor	On-board	USB Type-C charging port *	✓
Maximum internal memory *	32 GB	USB Type-C required charging power (min) *	45 W
Memory channels	Dual-channel	USB Type-C required charging power (max) *	130 W
Memory data transfer rate	7467 MT/s	USB Power Delivery (USB PD)	✓
Storage		USB charging voltage	5,9,15,20 V
Total storage capacity *	1 TB	USB charging current	3 A
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 5060	Non-operating vibration	1.3 G
Discrete graphics card memory	8 GB	Weight & dimensions	
Discrete graphics memory type	GDDR7	Width	358.2 mm
On-board graphics card *	✓	Depth	240.1 mm
On-board GPU manufacturer	Intel	Height (front)	6.64 mm
Discrete graphics card *	✓	Height (rear)	1.87 cm
On-board graphics card family	Intel Arc Graphics	Weight *	2.33 kg
On-board graphics card model *	Intel Arc 140T	Carbon footprint	
Audio		Total carbon footprint (kg of CO2e)	364
Audio chip	Cirrus Logic CS42L43	Total carbon emissions, standard deviation (kg of CO2e)	66
Audio system	MaxxAudio Pro	Carbon emissions, manufacturing (kg of CO2e)	294.112
Number of built-in speakers	4	Carbon emissions, logistics (kg of CO2e)	18.564
Speakers manufacturer	Waves		
Built-in microphone	✓		

Carbon footprint

Carbon emissions, energy usage (kg of CO2e)	49.14
Carbon emissions, end-of-life (kg of CO2e)	2.18
PAIA version	PAIA 1.4.7, 2025

Packaging content

AC adapter included *	✓
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Catalog Object Cloud



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