



DELL 16 Premium DA16250 Intel Core Ultra 7 255H Laptop 41.4 cm (16.3") WUXGA 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_006

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: 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 5060. 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 *	1920 x 1200 pixels	Infrared (IR) camera	✓
Touchscreen *	✗	Network	
HD type	WUXGA	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Panel type	WVA	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-glare screen	✓	Wi-Fi band	Tri-band (2.4 GHz / 5 GHz / 6 GHz)
Display bezel technology	InfinityEdge	Wi-Fi data rate (max)	5800 Mbit/s
Display brightness	500 cd/m ²	Antenna type	2x2
Pixel density	139 ppi	WLAN controller model	Intel Wi-Fi 7 BE201
Colour gamut	100%	WLAN controller manufacturer	Intel
Low Blue Light technology	✓	Ethernet LAN	✗
Display response rise/fall	35 ms	Bluetooth	✓
Maximum refresh rate	120 Hz	Ports & interfaces	
Contrast ratio (typical)	2000:1	Thunderbolt 4 ports quantity	3
Processor		Intel® Thunderbolt 4	✓
Processor manufacturer *	Intel	Combo headphone/mic port	✓
Processor family *	Intel Core Ultra 7	USB Type-C DisplayPort Alternate Mode	✓
Processor generation	Intel Core Ultra (Series 2)	Performance	
Processor model *	255H	Motherboard chipset	Intel SoC
Processor cores	16	Ambient light sensor	✓
Processor threads	16	Keyboard	
Processor boost frequency	5.1 GHz	Pointing device	Touchpad
Performance cores	6	Numeric keypad *	✗
Efficient cores	8		
Low Power Efficient-cores	2		
Performance-core Max Turbo Frequency	5.1 GHz		

Processor		Keyboard	
Efficient-core Max Turbo Frequency	4.4 GHz	Keyboard backlit	✓
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Keyboard language	English
Performance-core base frequency	2 GHz	Software	
Efficient-core base frequency	1.5 GHz	Operating system architecture	64-bit
Low Power Efficient-core Base Frequency	700 MHz	Trial software	McAfee Business Protection 1-year, Activate Your Microsoft 365 For A 30 Day Trial
Processor cache	24 MB	Operating system installed *	Windows 11 Pro
Processor base power	28 W	Brand-specific features	
Maximum turbo power	115 W	Brand specific technologies	Express Charge Boost capable
Neural processor unit (NPU)		Battery	
Neural processor unit (NPU)	Intel AI Boost	Battery technology	Lithium-Ion (Li-Ion)
Sparsity support	✓	Number of battery cells	6
Windows Studio effects support	✓	Battery capacity *	99.5 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	380 g
Memory		Power	
Internal memory *	32 GB	AC adapter power	130 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) *	45 W
Memory data transfer rate	7467 MT/s	USB Type-C required charging power (max) *	130 W
Storage		USB Power Delivery (USB PD)	✓
Total storage capacity *	1 TB	USB charging voltage	5,9,15,20 V
Storage media *	SSD	USB charging current	3 A
Total SSDs capacity	1 TB	Security	
Number of SSDs installed	1	Fingerprint reader	✓
SSD capacity	1 TB	Operational conditions	
SSD interface	PCI Express 4.0	Operating temperature (T-T)	0 - 35 °C
NVMe	✓	Storage temperature (T-T)	-40 - 65 °C
SSD form factor	M.2	Operating relative humidity (H-H)	10 - 90%
Optical drive type *	✗	Storage relative humidity (H-H)	0 - 95%
Card reader integrated	✓	Operating altitude	-15.2 - 3048 m
Compatible memory cards	MicroSD (TransFlash), MicroSDHC, MicroSDXC	Non-operating altitude	-15.2 - 10668 m
Graphics		Operating shock	110 G
Discrete GPU manufacturer	NVIDIA	Non-operating shock	160 G
Discrete graphics card model *	NVIDIA GeForce RTX 5060	Operating vibration	0.66 G
Discrete graphics card memory	8 GB	Non-operating vibration	1.3 G
Discrete graphics memory type	GDDR7	Weight & dimensions	
On-board graphics card *	✓	Width	358.2 mm
On-board GPU manufacturer	Intel	Depth	240.1 mm
Discrete graphics card *	✓	Height (front)	6.64 mm
On-board graphics card family	Intel Arc Graphics	Height (rear)	1.87 cm
On-board graphics card model *	Intel Arc 140T	Weight *	2.29 kg
Audio		Carbon footprint	
Audio chip	Cirrus Logic CS42L43	Total carbon footprint (kg of CO2e)	364
Audio system	MaxxAudio Pro	Total carbon emissions, standard deviation (kg of CO2e)	66
Number of built-in speakers	4	Carbon emissions, manufacturing (kg of CO2e)	294.112
Speakers manufacturer	Waves	Carbon emissions, logistics (kg of CO2e)	18.564
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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