



DELL 16 Premium DA16250 Intel Core Ultra 9 285H Laptop 41.4 cm (16.3") Touchscreen 4K Ultra HD 32 GB LPDDR5x-SDRAM 1 TB SSD NVIDIA GeForce RTX 5070 Wi-Fi 7 (802.11be) Windows 11 Pro German Platinum



Brand : DELL

Product family: 16 Premium

Product code: 8N5N4

Product name : DA16250

DELL 16 Premium DA16250. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 9, Processor model: 285H. 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 resolution (numeric)	2.07 MP
Product colour *	Platinum	Front camera resolution	1920 x 1080 pixels
Form factor *	Clamshell	Front camera HD type	Full HD
Display		Video capturing speed	30 fps
Display diagonal *	41.4 cm (16.3")	Infrared (IR) camera	✓
Display resolution *	3840 x 2400 pixels	Network	
Touchscreen *	✓	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
HD type	4K Ultra HD	Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), Wi-Fi 7 (802.11be), 802.11b, Wi-Fi 6 (802.11ax), 802.11g, Wi-Fi 4 (802.11n)
Panel type	OLED	Mobile network connection *	✗
Native aspect ratio	16:10	Wi-Fi band	Tri-band (2.4 GHz / 5 GHz / 6 GHz)
Anti-reflective coating	✓	Wi-Fi data rate (max)	5800 Mbit/s
Anti-smudge coating	✓	Antenna type	2x2
Display brightness	400 cd/m²	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 5 ports quantity	3
Maximum refresh rate	120 Hz	Intel® Thunderbolt 5	✓
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 9	Motherboard chipset	Intel SoC
Processor generation	Intel Core Ultra (Series 2)	Ambient light sensor	✓
Processor model *	285H	Keyboard	
Processor cores	16	Pointing device	Touchpad
Processor threads	16	Numeric keypad *	✗
Processor boost frequency	5.4 GHz		
Performance cores	6		
Efficient cores	8		
Low Power Efficient-cores	2		

Processor		Keyboard	
Performance-core Max Turbo Frequency	5.4 GHz	Keyboard backlit	✓
Efficient-core Max Turbo Frequency	4.5 GHz	Keyboard language	German
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Software	
Performance-core base frequency	2.9 GHz	Operating system architecture	64-bit
Efficient-core base frequency	2.7 GHz	Trial software	McAfee Business Protection 1-year, Activate Your Microsoft 365 For A 30 Day Trial
Low Power Efficient-core Base Frequency	1000 MHz	Operating system installed *	Windows 11 Pro
Processor cache	24 MB	Processor special features	
Processor base power	45 W	Intel® Evo™ Platform Verified	✓
Maximum turbo power	115 W	Brand-specific features	
Neural processor unit (NPU)		Brand specific technologies	Express Charge Boost capable
Neural processor unit (NPU)	Intel AI Boost	Battery	
Sparsity support	✓	Battery technology	Lithium-Ion (Li-Ion)
Windows Studio effects support	✓	Number of battery cells	6
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Battery capacity *	99.5 Wh
Total processor performance up to	99 TOPs	Battery voltage	11.7 V
NPU performance up to	13 TOPs	Battery recharge time	2 h
GPU performance up to	77 TOPs	Fast charging	✓
Memory		Battery weight	380 g
Internal memory *	32 GB	Power	
Internal memory type	LPDDR5x-SDRAM	AC adapter power	130 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) *	130 W
Total storage capacity *	1 TB	USB Power Delivery (USB PD)	✓
Storage media *	SSD	USB charging voltage	20,5,9,15 V
Total SSDs capacity	1 TB	USB charging current	3 A
Number of SSDs installed	1	Security	
SSD capacity	1 TB	Fingerprint reader	✓
SSD interface	PCI Express 4.0	Operational conditions	
NVMe	✓	Operating temperature (T-T)	0 - 35 °C
SSD form factor	M.2	Storage temperature (T-T)	-40 - 65 °C
Optical drive type *	✗	Operating relative humidity (H-H)	10 - 90%
Card reader integrated	✓	Storage relative humidity (H-H)	0 - 95%
Compatible memory cards	MicroSD (TransFlash), MicroSDHC, MicroSDXC	Operating altitude	-15.2 - 3048 m
Graphics		Non-operating altitude	-15.2 - 10668 m
Discrete GPU manufacturer	NVIDIA	Operating shock	110 G
Discrete graphics card model *	NVIDIA GeForce RTX 5070	Non-operating shock	160 G
Discrete graphics card memory	8 GB	Operating vibration	0.66 G
Discrete graphics memory type	GDDR7	Non-operating vibration	1.3 G
On-board graphics card *	✓	Weight & dimensions	
On-board GPU manufacturer	Intel	Width	358.2 mm
Discrete graphics card *	✓	Depth	240.1 mm
On-board graphics card family	Intel Arc Graphics	Height (front)	6.64 mm
On-board graphics card model *	Intel Arc 140T	Height (rear)	1.87 cm
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		
Built-in microphone	✓		

Camera		Carbon footprint	
Front camera	✓	Carbon emissions, logistics (kg of CO2e)	18.564
		Carbon emissions, energy usage (kg of CO2e)	49.14
		Carbon emissions, end-of-life (kg of CO2e)	2.184
		PAIA version	PAIA 1.4.7, 2025
		Packaging content	
		AC adapter included *	✓



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