



**DELL Pro Max 16 Premium MA16250 Intel Core Ultra 9 285H  
Mobile workstation 40.6 cm (16") Full HD+ 64 GB LPDDR5x-SDRAM  
1 TB SSD NVIDIA RTX PRO 2000 Blackwell Wi-Fi 7 (802.11be)  
Windows 11 Pro UK English Black**



**Brand :** DELL

**Product family:** Pro Max

**Product code:** 1THK7

**Product name :** MA16250

- Windows 11 Pro 64-bit
  - Intel Core Ultra 9 285H (24MB Cache)
  - 16" Full HD+ 1920 x 1200 WVA, NVIDIA RTX PRO 2000 Blackwell (8GB GDDR7)
  - 64GB LPDDR5x-SDRAM & 1000GB SSD
- Intel Core Ultra 9 285H (24MB Cache), 64GB LPDDR5x-SDRAM, 1000GB SSD, 16" Full HD+ 1920 x 1200 WVA, Intel Arc 140T, NVIDIA RTX PRO 2000 Blackwell (8GB GDDR7), WLAN, Webcam, Windows 11 Pro 64-bit

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**Unstoppable power. Modern design.**

Empower your creativity with the thin, light 16-inch laptop that elevates every task effortlessly with exceptional battery life, Intel® Core™ Ultra processors, NVIDIA graphics, and advanced on-device AI.

Design		Camera	
Colour name	Magnetite	Front camera resolution	2560 x 1440 pixels
Product type *	Mobile workstation	Video capturing speed	30 fps
Product colour *	Black	Infrared (IR) camera	✓
Form factor *	Clamshell		
Intel® vPro™ Platform Eligibility	✓		
Display		Network	
Display diagonal *	40.6 cm (16")	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Display resolution *	1920 x 1200 pixels	Wi-Fi standards	802.11a, 802.11ad, 802.11b, 802.11g, Wi-Fi 5 (802.11ac), Wi-Fi 7 (802.11be)
Touchscreen *	✗	Mobile network connection *	✗
HD type	Full HD+	Wi-Fi band	Tri-band (2.4 GHz / 5 GHz / 6 GHz)
Panel type	WVA	WLAN controller model	Intel Wi-Fi 7 BE201
Native aspect ratio	16:10	WLAN controller manufacturer	Intel
Anti-glare screen	✓	Ethernet LAN	✗
Display brightness	500 cd/m <sup>2</sup>	Bluetooth	✓
Pixel density	142 ppi	WWAN	Not installed
RGB colour space	DCI-P3	MIMO	✓
Colour gamut	100%	MIMO type	Multi User MIMO
Display response rise/fall	35 ms		
Maximum refresh rate	120 Hz	Ports & interfaces	
Contrast ratio (typical)	1500:1	HDMI ports quantity *	1
		HDMI version	2.1
		Thunderbolt 4 ports quantity	1
		Thunderbolt 5 ports quantity	2
		Intel® Thunderbolt 4	✓
		Intel® Thunderbolt 5	✓
		Combo headphone/mic port	✓
		USB Type-C DisplayPort Alternate Mode	✓
		Performance	
		Motherboard chipset	Intel SoC
		Ambient light sensor	✓
		Accelerometer	✓
Processor			
Processor manufacturer *	Intel		
Processor family *	Intel Core Ultra 9		
Processor generation	Intel Core Ultra (Series 2)		
Processor model *	285H		
Processor cores	16		
Processor threads	16		
Processor boost frequency	5.4 GHz		
Performance cores	6		
Efficient cores	8		
Low Power Efficient-cores	2		

<b>Processor</b>		<b>Performance</b>	
Performance-core Max Turbo Frequency	5.4 GHz	Hall sensor	✓
Efficient-core Max Turbo Frequency	4.5 GHz	<b>Keyboard</b>	
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Pointing device	Touchpad
Performance-core base frequency	2.9 GHz	Numeric keypad *	✗
Efficient-core base frequency	2.7 GHz	Keyboard backlit	✓
Low Power Efficient-core Base Frequency	1000 MHz	Spill-resistant keyboard	✓
Processor cache	24 MB	Keyboard language	UK English
Processor base power	45 W	Copilot key	✓
Maximum turbo power	115 W	<b>Software</b>	
<b>Neural processor unit (NPU)</b>		Operating system architecture	64-bit
Neural processor unit (NPU)	Intel AI Boost	Trial software	Activate Your Microsoft 365 For A 30 Day Trial
Sparsity support	✓	Operating system installed *	Windows 11 Pro
Windows Studio effects support	✓	<b>Brand-specific features</b>	
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Brand specific technologies	Express Charge Boost capable, TNR, ExpressSign-In, Battery-saving Mini-LED, Zero-lattice Keyboard
Total processor performance up to	99 TOPs	<b>Battery</b>	
NPU performance up to	13 TOPs	Battery technology	Lithium-Ion (Li-Ion)
GPU performance up to	77 TOPs	Number of battery cells	6
<b>Memory</b>		Battery capacity *	96 Wh
Internal memory *	64 GB	Battery voltage	11.7 V
Internal memory type	LPDDR5x-SDRAM	Battery recharge time	3 h
Memory form factor	On-board	Fast charging	✓
Maximum internal memory *	64 GB	Battery weight	351 g
Memory data transfer rate	8400 MT/s	<b>Power</b>	
<b>Storage</b>		USB Type-C charging port *	✓
Total storage capacity *	1 TB	USB Type-C required charging power (min) *	100 W
Storage media *	SSD	USB Type-C required charging power (max) *	100 W
Total SSDs capacity	1 TB	USB Power Delivery (USB PD)	✓
Number of SSDs installed	1	USB charging voltage	20,5,9,15 V
SSD capacity	1 TB	<b>Security</b>	
SSD memory type	TLC	Cable lock slot	✓
SSD interface	PCI Express 4.0	Cable lock slot type	Wedge
NVMe	✓	Fingerprint reader	✓
SSD form factor	M.2	Trusted Platform Module (TPM)	✓
Self-Encrypting Drive (SED)	✓	Trusted Platform Module (TPM) version	2.0
Optical drive type *	✗	<b>Operational conditions</b>	
Card reader integrated	✓	Operating temperature (T-T)	0 - 35 °C
Compatible memory cards	SD, SDHC, SDXC	Storage temperature (T-T)	-40 - 65 °C
<b>Graphics</b>		Operating relative humidity (H-H)	10 - 90%
Discrete GPU manufacturer	NVIDIA	Storage relative humidity (H-H)	0 - 95%
Discrete graphics card model *	NVIDIA RTX PRO 2000 Blackwell	Operating altitude	-15.2 - 3048 m
Discrete graphics card memory	8 GB	Non-operating altitude	-15.2 - 10668 m
Discrete graphics memory type	GDDR7	Operating shock	110 G
On-board graphics card *	✓	Non-operating shock	160 G
On-board GPU manufacturer	Intel	Operating vibration	0.66 G
Discrete graphics card *	✓	Non-operating vibration	1.3 G
On-board graphics card family	Intel Arc Graphics	<b>Weight &amp; dimensions</b>	
On-board graphics card model *	Intel Arc 140T	Width	353.8 mm
<b>Audio</b>		Depth	240.3 mm
Audio chip	Cirrus Logic CS42L43	Height (front)	2.08 cm
Audio system	Dolby Atmos	Height (rear)	2.08 cm
Number of built-in speakers	4		
Built-in microphone	✓		

Camera		Weight & dimensions	
Front camera	✓	Weight *	2.19 kg
Front camera resolution (numeric)	8 MP	Carbon footprint	
		Total carbon footprint (kg of CO2e)	175
		Carbon emissions, manufacturing (kg of CO2e)	136.5
		Carbon emissions, logistics (kg of CO2e)	6.48
		Carbon emissions, energy usage (kg of CO2e)	30.1
		Carbon emissions, end-of-life (kg of CO2e)	1.93
		PAIA version	GaBi version 1, 2025
		Packaging content	
		AC adapter included *	✗



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### Catalog Object Cloud



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