



**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 German Black**



Brand : DELL

Product family: Pro Max

Product code: 7CFW1

Product name : MA16250

DELL Pro Max 16 Premium MA16250. Product type: Mobile workstation, Form factor: Clamshell. Processor family: Intel Core Ultra 9, Processor model: 285H. Display diagonal: 40.6 cm (16"), HD type: Full HD+, Display resolution: 1920 x 1200 pixels. Internal memory: 64 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 RTX PRO 2000 Blackwell. Operating system installed: Windows 11 Pro. Product colour: Black

Design		Network	
Colour name	Magnetite	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Product type *	Mobile workstation	Wi-Fi standards	802.11a, 802.11ad, 802.11b, 802.11g, Wi-Fi 5 (802.11ac), Wi-Fi 7 (802.11be)
Product colour *	Black	Mobile network connection *	✗
Form factor *	Clamshell	Wi-Fi band	Tri-band (2.4 GHz / 5 GHz / 6 GHz)
Display		WLAN controller model	Intel Wi-Fi 7 BE201
Display diagonal *	40.6 cm (16")	WLAN controller manufacturer	Intel
Display resolution *	1920 x 1200 pixels	Bluetooth	✓
Touchscreen *	✗	WWAN	Not installed
HD type	Full HD+	MIMO	✓
Panel type	WVA	MIMO type	Multi User MIMO
Native aspect ratio	16:10	Ports & interfaces	
Anti-glare screen	✓	HDMI ports quantity *	1
Display brightness	500 cd/m²	HDMI version	2.1
Pixel density	142 ppi	Thunderbolt 4 ports quantity	1
RGB colour space	DCI-P3	Thunderbolt 5 ports quantity	2
Colour gamut	100%	Intel® Thunderbolt 4	✓
Display response rise/fall	35 ms	Intel® Thunderbolt 5	✓
Maximum refresh rate	120 Hz	Combo headphone/mic port	✓
Contrast ratio (typical)	1500:1	USB Type-C DisplayPort Alternate Mode	✓
Processor		Performance	
Processor manufacturer *	Intel	Motherboard chipset	Intel SoC
Processor family *	Intel Core Ultra 9	Ambient light sensor	✓
Processor generation	Intel Core Ultra (Series 2)	Accelerometer	✓
Processor model *	285H	Hall sensor	✓
Processor cores	16	Keyboard	
Processor threads	16	Pointing device	Touchpad
Processor boost frequency	5.4 GHz	Numeric keypad *	✗
Performance cores	6	Keyboard backlit	✓
Efficient cores	8		
Low Power Efficient-cores	2		
Performance-core Max Turbo Frequency	5.4 GHz		

Processor		Keyboard	
Efficient-core Max Turbo Frequency	4.5 GHz	Spill-resistant keyboard	✓
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Keyboard language	German
Performance-core base frequency	2.9 GHz	Copilot key	✓
Efficient-core base frequency	2.7 GHz	Software	
Low Power Efficient-core Base Frequency	1000 MHz	Operating system architecture	64-bit
Processor cache	24 MB	Trial software	Activate Your Microsoft 365 For A 30 Day Trial
Processor base power	45 W	Operating system installed *	Windows 11 Pro
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 *	96 Wh
Total processor performance up to	99 TOPs	Battery voltage	11.7 V
NPU performance up to	13 TOPs	Battery recharge time	3 h
GPU performance up to	77 TOPs	Fast charging	✓
Memory		Battery weight	351 g
Internal memory *	64 GB	Power	
Internal memory type	LPDDR5x-SDRAM	AC adapter power	165 W
Memory form factor	On-board	AC adapter frequency	50/60 Hz
Maximum internal memory *	64 GB	AC adapter input voltage	100 - 240 V
Memory data transfer rate	8400 MT/s	USB Type-C charging port *	✓
Storage		USB Type-C required charging power (min) *	100 W
Total storage capacity *	1 TB	USB Type-C required charging power (max) *	100 W
Storage media *	SSD	USB Power Delivery (USB PD)	✓
Total SSDs capacity	1 TB	USB charging voltage	20,5,9,15 V
Number of SSDs installed	1	Security	
SSD capacity	1 TB	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)	✓
Optical drive type *	✗	Trusted Platform Module (TPM) version	2.0
Card reader integrated	✓	Operational conditions	
Compatible memory cards	SD, SDHC, SDXC	Operating temperature (T-T)	0 - 35 °C
Graphics		Storage temperature (T-T)	-40 - 65 °C
Discrete GPU manufacturer	NVIDIA	Operating relative humidity (H-H)	10 - 90%
Discrete graphics card model *	NVIDIA RTX PRO 2000 Blackwell	Storage relative humidity (H-H)	0 - 95%
Discrete graphics card memory	8 GB	Operating altitude	-15.2 - 3048 m
Discrete graphics memory type	GDDR7	Non-operating altitude	-15.2 - 10668 m
On-board graphics card *	✓	Operating shock	110 G
On-board GPU manufacturer	Intel	Non-operating shock	160 G
Discrete graphics card *	✓	Operating vibration	0.66 G
On-board graphics card family	Intel Arc Graphics	Non-operating vibration	1.3 G
On-board graphics card model *	Intel Arc 140T	Weight & dimensions	
Audio		Width	353.8 mm
Audio chip	Cirrus Logic CS42L43	Depth	240.3 mm
Audio system	Dolby Atmos	Height (front)	2.08 cm
Number of built-in speakers	4	Height (rear)	2.08 cm
Built-in microphone	✓	Weight *	2.19 kg
Camera		Carbon footprint	
Front camera	✓	Total carbon footprint (kg of CO2e)	175
Front camera resolution (numeric)	8 MP	Carbon emissions, manufacturing (kg of CO2e)	136.5
Front camera resolution	2560 x 1440 pixels		
Video capturing speed	30 fps		

Camera		Carbon footprint	
Infrared (IR) camera	✓	Carbon emissions, logistics (kg of CO2e)	6.475
		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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