



**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: 4MJH1

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		Audio	
Colour name	Magnetite	Number of built-in speakers	4
Product type *	Mobile workstation	Built-in microphone	✓
Product colour *	Black	Camera	
Form factor *	Clamshell	Front camera	✓
Intel® vPro™ Platform Eligibility	✓	Front camera resolution (numeric)	8 MP
Display		Front camera resolution	2560 x 1440 pixels
Display diagonal *	40.6 cm (16")	Video capturing speed	30 fps
Display resolution *	1920 x 1200 pixels	Infrared (IR) camera	✓
Touchscreen *	✗	Network	
HD type	Full HD+	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 6E (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 brightness	500 cd/m²	Antenna type	2x2
Pixel density	142 ppi	WLAN controller model	Intel Wi-Fi 7 BE201
RGB colour space	DCI-P3	WLAN controller manufacturer	Intel
Colour gamut	100%	Bluetooth	✓
Display response rise/fall	35 ms	MIMO	✓
Maximum refresh rate	120 Hz	MIMO type	Multi User MIMO
Contrast ratio (typical)	1500:1	Ports & interfaces	
Processor		HDMI ports quantity *	1
Processor manufacturer *	Intel	HDMI version	2.1
Processor family *	Intel Core Ultra 9	Thunderbolt 4 ports quantity	1
Processor generation	Intel Core Ultra (Series 2)	Thunderbolt 5 ports quantity	2
Processor model *	285H	Intel® Thunderbolt 4	✓
Processor cores	16	Intel® Thunderbolt 5	✓
Processor threads	16	Combo headphone/mic port	✓
Processor boost frequency	5.4 GHz	USB Type-C DisplayPort Alternate Mode	✓
Performance cores	6		
Efficient cores	8		
Low Power Efficient-cores	2		

Processor		Performance	
Performance-core Max Turbo Frequency	5.4 GHz	Motherboard chipset	Intel SoC
Efficient-core Max Turbo Frequency	4.5 GHz	Ambient light sensor	✓
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Accelerometer	✓
Performance-core base frequency	2.9 GHz	Hall sensor	✓
Efficient-core base frequency	2.7 GHz	Keyboard	
Low Power Efficient-core Base Frequency	1000 MHz	Pointing device	Touchpad
Processor cache	24 MB	Numeric keypad *	✗
Processor base power	45 W	Keyboard backlit	✓
Maximum turbo power	115 W	Spill-resistant keyboard	✓
Neural processor unit (NPU)		Keyboard language	German
Neural processor unit (NPU)	Intel AI Boost	Copilot key	✓
Sparsity support	✓	Software	
Windows Studio effects support	✓	Operating system architecture	64-bit
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Trial software	Activate Your Microsoft 365 For A 30 Day Trial
Total processor performance up to	99 TOPs	Operating system installed *	Windows 11 Pro
NPU performance up to	13 TOPs	Brand-specific features	
GPU performance up to	77 TOPs	Brand specific technologies	Battery-saving Mini-LED, Express Charge Boost capable, ExpressSign-In, Intelligent Privacy, TNR, Zero-lattice Keyboard
Memory		Battery	
Internal memory *	64 GB	Battery technology	Lithium-Ion (Li-Ion)
Internal memory type	LPDDR5x-SDRAM	Number of battery cells	6
Memory form factor	On-board	Battery capacity *	96 Wh
Maximum internal memory *	64 GB	Battery voltage	11.7 V
Memory data transfer rate	8400 MT/s	Battery recharge time	3 h
Storage		Fast charging	✓
Total storage capacity *	1 TB	Battery weight	351 g
Storage media *	SSD	Power	
Total SSDs capacity	1 TB	USB Type-C charging port *	✓
Number of SSDs installed	1	USB Type-C required charging power (min) *	45 W
SSD capacity	1 TB	USB Type-C required charging power (max) *	128 W
SSD memory type	TLC	USB Power Delivery (USB PD)	✓
SSD interface	PCI Express 4.0	Security	
NVMe	✓	Cable lock slot	✓
SSD form factor	M.2	Cable lock slot type	Wedge
Self-Encrypting Drive (SED)	✓	Fingerprint reader	✓
Optical drive type *	✗	Trusted Platform Module (TPM)	✓
Card reader integrated	✓	Trusted Platform Module (TPM) version	2.0
Compatible memory cards	SD, SDHC, SDXC	Operational conditions	
Graphics		Operating temperature (T-T)	0 - 35 °C
Discrete GPU manufacturer	NVIDIA	Storage temperature (T-T)	-40 - 65 °C
Discrete graphics card model *	NVIDIA RTX PRO 2000 Blackwell	Operating relative humidity (H-H)	10 - 90%
Discrete graphics card memory	8 GB	Storage relative humidity (H-H)	0 - 95%
Discrete graphics memory type	GDDR7	Operating altitude	-15.2 - 3048 m
On-board graphics card *	✓	Non-operating altitude	-15.2 - 10668 m
On-board GPU manufacturer	Intel	Operating shock	110 G
Discrete graphics card *	✓	Non-operating shock	160 G
On-board graphics card family	Intel Arc Graphics	Operating vibration	0.66 G
On-board graphics card model *	Intel Arc 140T	Non-operating vibration	1.3 G
Audio		Weight & dimensions	
Audio chip	Cirrus Logic CS42L43	Width	353.8 mm
Audio system	Dolby Atmos		

Weight & dimensions	
Depth	240.3 mm
Height	22 mm
Height (front)	2.08 cm
Height (rear)	2.08 cm
Weight *	2.19 kg
Packaging content	
AC adapter included *	✗



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