



DELL Pro Max 18 Plus MB18250 Intel Core Ultra 9 285HX Mobile workstation 45.7 cm (18") Quad HD+ 64 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX PRO 3000 Blackwell Wi-Fi 7 (802.11be) Windows 11 Pro German Black



Brand : DELL

Product family: Pro Max

Product code: 6RYGK

Product name : MB18250

DELL Pro Max 18 Plus MB18250. Product type: Mobile workstation, Form factor: Clamshell. Processor family: Intel Core Ultra 9, Processor model: 285HX. Display diagonal: 45.7 cm (18"), HD type: Quad HD+, Display resolution: 2560 x 1600 pixels. Internal memory: 64 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel® Graphics, Discrete graphics card model: NVIDIA RTX PRO 3000 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, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6E (802.11ax), 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)
Intel® vPro™ Platform Eligibility	✓	Wi-Fi data rate (max)	5760 Mbit/s
Display		Antenna type	2x2
Display diagonal *	45.7 cm (18")	WLAN controller model	Intel Wi-Fi 7 BE200
Display resolution *	2560 x 1600 pixels	WLAN controller manufacturer	Intel
Touchscreen *	✗	Ethernet LAN	✓
HD type	Quad HD+	Ethernet LAN data rates	10,1000,2500,100 Mbit/s
Panel type	WVA	Bluetooth	✓
Native aspect ratio	16:10	Near Field Communication (NFC)	✓
Anti-glare screen	✓	Ports & interfaces	
Display brightness	500 cd/m²	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Pixel density	168 ppi	Ethernet LAN (RJ-45) ports	1
RGB colour space	DCI-P3	HDMI ports quantity *	1
Colour gamut	100%	HDMI version	2.1
Low Blue Light technology	✓	Thunderbolt 4 ports quantity	1
Display response rise/fall	30 ms	Thunderbolt 5 ports quantity	2
Maximum refresh rate	120 Hz	Intel® Thunderbolt 4	✓
Contrast ratio (typical)	1000:1	Intel® Thunderbolt 5	✓
Processor		Combo headphone/mic port	✓
Processor manufacturer *	Intel	USB Type-C DisplayPort Alternate Mode	✓
Processor family *	Intel Core Ultra 9	PowerShare	✓
Processor generation	Intel Core Ultra (Series 2)	Number of USB ports with PowerShare support	1
Processor model *	285HX	Performance	
Processor cores	24	Accelerometer	✓
Processor threads	24		
Processor boost frequency	5.5 GHz		
Performance cores	8		
Efficient cores	16		

Processor		Performance	
Performance-core Max Turbo Frequency	5.5 GHz	Hall sensor	✓
Efficient-core Max Turbo Frequency	4.6 GHz	Keyboard	
Performance-core base frequency	2.8 GHz	Pointing device	Touchpad
Efficient-core base frequency	2.1 GHz	Numeric keypad *	✓
Processor cache	36 MB	Keyboard backlit	✓
Processor base power	55 W	Keyboard language	German
Maximum turbo power	160 W	Copilot key	✓
Neural processor unit (NPU)		Software	
Neural processor unit (NPU)	Intel AI Boost	Operating system architecture	64-bit
Sparsity support	✓	Trial software	Activate Your Microsoft 365 For A 30 Day Trial
Windows Studio effects support	✓	Operating system installed *	Windows 11 Pro
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Brand-specific features	
Total processor performance up to	36 TOPs	Brand specific technologies	Control Vault 3+, Express Charge Boost capable, HDR Camera, TNR
NPU performance up to	13 TOPs	Battery	
GPU performance up to	8 TOPs	Battery technology	Lithium-Ion (Li-Ion)
Memory		Number of battery cells	6
Internal memory *	64 GB	Battery capacity *	96 Wh
Internal memory type	DDR5-SDRAM	Battery voltage	11.7 V
Memory form factor	CSoDIMM	Battery recharge time	3 h
Memory layout (slots x size)	2 x 32 GB	Fast charging	✓
Maximum internal memory *	64 GB	Power	
Memory channels	Dual-channel	AC adapter power	280 W
Memory data transfer rate	6400 MT/s	AC adapter frequency	50/60 Hz
Non-ECC	✓	AC adapter input voltage	100 - 240 V
Storage		USB Type-C charging port *	✓
Total storage capacity *	1 TB	USB Type-C required charging power (min) *	90 W
Storage media *	SSD	USB Type-C required charging power (max) *	280 W
Total SSDs capacity	1 TB	USB Power Delivery (USB PD)	✓
Number of SSDs installed	1	Security	
SSD capacity	1 TB	Cable lock slot	✓
SSD interface	PCI Express 4.0	Cable lock slot type	Noble
NVMe	✓	Fingerprint reader	✓
SSD form factor	M.2	Smart card reader	✓
Self-Encrypting Drive (SED)	✓	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 3000 Blackwell	Storage relative humidity (H-H)	0 - 95%
Discrete graphics card memory	12 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® Graphics	Non-operating vibration	1.3 G
On-board graphics card model *	Intel® Graphics	Weight & dimensions	
Audio		Width	402 mm
Audio chip	Cirrus Logic CS42L43	Depth	279.9 mm
Number of built-in speakers	2	Height (front)	1.79 cm
Speaker power	2.5 W	Height (rear)	1.96 cm
Built-in microphone	✓	Camera	
Number of microphones	2		

Camera		Weight & dimensions	
Front camera	✓	Weight *	3.25 kg
Front camera resolution (numeric)	8.29 MP	Carbon footprint	
Front camera resolution	1920 x 1080 pixels	Total carbon footprint (kg of CO2e)	207
Front camera HD type	Full HD	Carbon emissions, manufacturing (kg of CO2e)	152.559
Video capturing speed	30 fps	Carbon emissions, logistics (kg of CO2e)	9.315
Infrared (IR) camera	✓	Carbon emissions, energy usage (kg of CO2e)	37.26
Privacy camera	✓	Carbon emissions, end-of-life (kg of CO2e)	7.866
Privacy type	Privacy shutter	PAIA version	GaBi version 1, 2025
		Packaging content	
		AC adapter included *	✓



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