



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 Black US International

Brand : DELL

Product family: Pro Max

Product code: HGHP1

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		Camera	
Colour name	Magnetite	Front camera resolution (numeric)	8.29 MP
Product type *	Mobile workstation	Front camera resolution	1920 x 1080 pixels
Product colour *	Black	Front camera HD type	Full HD
Form factor *	Clamshell	Video capturing speed	30 fps
Intel® vPro™ Platform Eligibility	✓	Infrared (IR) camera	✓
Display		Privacy camera	✓
		Privacy type	Privacy shutter
Display diagonal *	45.7 cm (18")	Network	
Display resolution *	2560 x 1600 pixels	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Touchscreen *	✗	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)
HD type	Quad HD+	Mobile network connection *	✗
Panel type	WVA	Wi-Fi band	Tri-band (2.4 GHz / 5 GHz / 6 GHz)
Native aspect ratio	16:10	Wi-Fi data rate (max)	5760 Mbit/s
Anti-glare screen	✓	Antenna type	2x2
Display brightness	500 cd/m²	WLAN controller model	Intel Wi-Fi 7 BE200
Pixel density	168 ppi	WLAN controller manufacturer	Intel
RGB colour space	DCI-P3	Ethernet LAN	✓
Colour gamut	100%	Ethernet LAN data rates	10,1000,2500,100 Mbit/s
Low Blue Light technology	✓	Bluetooth	✓
Display response rise/fall	30 ms	Near Field Communication (NFC)	✓
Maximum refresh rate	120 Hz	Ports & interfaces	
Contrast ratio (typical)	1000:1	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor		Ethernet LAN (RJ-45) ports	1
		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 *	285HX	Intel® Thunderbolt 4	✓
Processor cores	24	Intel® Thunderbolt 5	✓
Processor threads	24		
Processor boost frequency	5.5 GHz		
Performance cores	8		
Efficient cores	16		

Processor		Ports & interfaces	
Performance-core Max Turbo Frequency	5.5 GHz	Combo headphone/mic port	✓
Efficient-core Max Turbo Frequency	4.6 GHz	USB Type-C DisplayPort Alternate Mode	✓
Performance-core base frequency	2.8 GHz	PowerShare	✓
Efficient-core base frequency	2.1 GHz	Number of USB ports with PowerShare support	1
Processor cache	36 MB	Performance	
Processor cache type	Smart Cache	Accelerometer	✓
Processor socket	BGA 2114	Hall sensor	✓
Processor base power	55 W	Keyboard	
Maximum turbo power	160 W	Pointing device	Touchpad
Neural processor unit (NPU)		Numeric keypad *	✓
Neural processor unit (NPU)	Intel AI Boost	Keyboard backlit	✓
Sparsity support	✓	Keyboard language	US International
Windows Studio effects support	✓	Copilot key	✓
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Software	
Total processor performance up to	36 TOPs	Operating system architecture	64-bit
NPU performance up to	13 TOPs	Operating system language	German, Dutch, English, French, Italian
GPU performance up to	8 TOPs	Trial software	Activate Your Microsoft 365 For A 30 Day Trial
Memory		Operating system installed *	Windows 11 Pro
Internal memory *	64 GB	Brand-specific features	
Internal memory type	DDR5-SDRAM	Brand specific technologies	Express Charge Boost capable, TNR, Control Vault 3+, HDR Camera, Presence Detection
Memory form factor	CSODIMM	Battery	
Memory layout (slots x size)	2 x 32 GB	Battery technology	Lithium-Ion (Li-Ion)
Maximum internal memory *	64 GB	Number of battery cells	6
Memory channels	Dual-channel	Battery capacity *	96 Wh
Memory data transfer rate	6400 MT/s	Battery voltage	11.7 V
Non-ECC	✓	Battery recharge time	3 h
Storage		Fast charging	✓
Total storage capacity *	1 TB	Power	
Storage media *	SSD	AC adapter frequency	50/60 Hz
Total SSDs capacity	1 TB	AC adapter input voltage	100 - 240 V
Number of SSDs installed	1	USB Type-C charging port *	✓
SSD capacity	1 TB	USB Type-C required charging power (min) *	90 W
SSD interface	PCI Express 4.0	USB Power Delivery (USB PD)	✓
NVMe	✓	Security	
SSD form factor	M.2	Cable lock slot	✓
Self-Encrypting Drive (SED)	✓	Cable lock slot type	Noble
Optical drive type *	✗	Fingerprint reader	✓
Card reader integrated	✓	Smart card reader	✓
Compatible memory cards	SD, SDHC, SDXC	Trusted Platform Module (TPM)	✓
Graphics		Trusted Platform Module (TPM) version	2.0
Discrete GPU manufacturer	NVIDIA	Operational conditions	
Discrete graphics card model *	NVIDIA RTX PRO 3000 Blackwell	Operating temperature (T-T)	0 - 35 °C
Discrete graphics card memory	12 GB	Storage temperature (T-T)	-40 - 65 °C
Discrete graphics memory type	GDDR7	Operating relative humidity (H-H)	10 - 90%
On-board graphics card *	✓	Storage relative humidity (H-H)	0 - 95%
On-board GPU manufacturer	Intel	Operating altitude	-15.2 - 3048 m
Discrete graphics card *	✓	Non-operating altitude	-15.2 - 10668 m
On-board graphics card family	Intel® Graphics	Operating shock	110 G
On-board graphics card model *	Intel® Graphics		
Audio			
Audio chip	Cirrus Logic CS42L43		
Number of built-in speakers	2		
Speaker power	2.5 W		
Built-in microphone	✓		
Number of microphones	2		

Camera		Operational conditions	
Front camera	✓	Non-operating shock	160 G
		Operating vibration	0.66 G
		Non-operating vibration	1.3 G
		Weight & dimensions	
		Width	402 mm
		Depth	279.9 mm
		Height (front)	1.79 cm
		Height (rear)	1.96 cm
		Weight *	3.25 kg
		Packaging content	
		AC adapter included *	✗



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