



DELL Pro Max 16 Plus MB16250 Intel Core Ultra 9 285HX Mobile workstation 40.6 cm (16") Full HD+ 64 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX PRO 3000 Blackwell Wi-Fi 7 (802.11be) Windows 11 Pro Black US English



Brand : DELL

Product family: Pro Max

Product code: 5W98R

Product name : MB16250

- Windows 11 Pro 64-bit
- Intel Core Ultra 9 285HX (36MB Cache)
- 16" Full HD+ 1920 x 1200 WVA, NVIDIA RTX PRO 3000 Blackwell (12GB GDDR7)
- 64GB DDR5-SDRAM (2 x 32) & 1000GB SSD
Intel Core Ultra 9 285HX (36MB Cache), 64GB DDR5-SDRAM, 1000GB SSD, 16" Full HD+ 1920 x 1200 WVA, Intel Graphics, NVIDIA RTX PRO 3000 Blackwell (12GB GDDR7), LAN, WLAN, Webcam, Windows 11 Pro 64-bit

DELL Pro Max 16 Plus MB16250 Intel Core Ultra 9 285HX Mobile workstation 40.6 cm (16") Full HD+ 64 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX PRO 3000 Blackwell Wi-Fi 7 (802.11be) Windows 11 Pro Black US English:

Built to perform. Designed to scale.

Maximise power and productivity with Dell Pro Max 16 Plus, a powerful, modern 16-inch laptop that combines exceptional performance, ease of use, scalability, and advanced on-device AI.

Design		Camera	
Product type *	Mobile workstation	Privacy camera	✓
Product colour *	Black	Privacy type	Privacy shutter
Form factor *	Clamshell	Network	
Intel® vPro™ Platform Eligibility	✓	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Display		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)
Display diagonal *	40.6 cm (16")	Mobile network connection *	✗
Display resolution *	1920 x 1200 pixels	Wi-Fi band	Tri-band (2.4 GHz / 5 GHz / 6 GHz)
Touchscreen *	✗	Wi-Fi data rate (max)	5760 Mbit/s
HD type	Full HD+	Antenna type	2x2
Panel type	WVA	WLAN controller model	Intel Wi-Fi 7 BE200
LED backlight	✓	WLAN controller manufacturer	Intel
Native aspect ratio	16:10	Ethernet LAN	✓
Anti-glare screen	✓	Ethernet LAN data rates	10,1000,2500,100 Mbit/s
Display brightness	500 cd/m²	Bluetooth	✓
Pixel density	141 ppi	Ports & interfaces	
RGB colour space	DCI-P3	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Colour gamut	100%	Ethernet LAN (RJ-45) ports	1
Low Blue Light technology	✓	HDMI ports quantity *	1
Display response rise/fall	35 ms	HDMI version	2.1
Maximum refresh rate	120 Hz	Thunderbolt 4 ports quantity	1
Contrast ratio (typical)	1500:1	Thunderbolt 5 ports quantity	2
Processor		Intel® Thunderbolt 4	✓
Processor manufacturer *	Intel	Intel® Thunderbolt 5	✓
Processor family *	Intel Core Ultra 9	Combo headphone/mic port	✓
Processor generation	Intel Core Ultra (Series 2)	USB Type-C DisplayPort Alternate Mode	✓
Processor model *	285HX	PowerShare	✓
Processor cores	24	Number of USB ports with PowerShare support	1
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	Accelerometer	✓
Efficient-core Max Turbo Frequency	4.6 GHz	Hall sensor	✓
Performance-core base frequency	2.8 GHz	Keyboard	
Efficient-core base frequency	2.1 GHz	Pointing device	Touchpad
Processor cache	36 MB	Numeric keypad *	✓
Processor cache type	Smart Cache	Keyboard backlit	✓
Processor socket	BGA 2114	Keyboard language	US English
Processor base power	55 W	Copilot key	✓
Maximum turbo power	160 W	Software	
Neural processor unit (NPU)		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	✓	Brand-specific features	
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Brand specific technologies	TNR, Express Charge Boost capable, Presence Detection, HDR Camera
Total processor performance up to	36 TOPs	Battery	
NPU performance up to	13 TOPs	Battery technology	Lithium-Ion (Li-Ion)
GPU performance up to	8 TOPs	Number of battery cells	6
Memory		Battery capacity *	96 Wh
Internal memory *	64 GB	Battery voltage	11.7 V
Internal memory type	DDR5-SDRAM	Battery recharge time	3 h
Memory form factor	CSODIMM	Fast charging	✓
Memory layout (slots x size)	2 x 32 GB	Battery charge indicator	✓
Maximum internal memory *	64 GB	Power	
Memory data transfer rate	6400 MT/s	AC adapter power	280 W
Non-ECC	✓	AC adapter frequency	50/60 Hz
Storage		AC adapter input voltage	100 - 240 V
Total storage capacity *	1 TB	USB Type-C charging port *	✓
Storage media *	SSD	USB Type-C required charging power (min) *	90 W
Total SSDs capacity	1 TB	USB Type-C required charging power (max) *	240 W
Number of SSDs installed	1	USB Power Delivery (USB PD)	✓
SSD capacity	1 TB	Security	
SSD interface	PCI Express 4.0	Cable lock slot	✓
NVMe	✓	Cable lock slot type	Noble
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 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	360 mm
Audio chip	Cirrus Logic CS42L43	Depth	258.6 mm
Number of built-in speakers	2	Height (front)	1.73 cm
Speaker power	2.5 W	Height (rear)	1.9 cm
Built-in microphone	✓		
Number of microphones	2		
Camera			
Front camera	✓		

Camera		Weight & dimensions	
Front camera resolution (numeric)	8.29 MP	Weight *	2.55 kg
Front camera resolution	1920 x 1080 pixels	Carbon footprint	
Front camera HD type	Full HD	Total carbon footprint (kg of CO2e)	202
Video capturing speed	30 fps	Carbon emissions, manufacturing (kg of CO2e)	141.4
Infrared (IR) camera	✓	Carbon emissions, logistics (kg of CO2e)	7.88
		Carbon emissions, energy usage (kg of CO2e)	47.87
		Carbon emissions, end-of-life (kg of CO2e)	4.85
		PAIA version	GaBi version 1, 2025
		Packaging content	
		AC adapter included *	✓



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