



**DELL Pro Max 16 Plus MB16250 Intel Core Ultra 7 265HX Mobile workstation 40.6 cm (16") Full HD+ 32 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX PRO 3000 Blackwell Wi-Fi 7 (802.11be) Windows 11 Pro UK English Black**



**Brand :** DELL

**Product family:** Pro Max

**Product code:** H49X2

**Product name :** MB16250

- Windows 11 Pro 64-bit
  - Intel Core Ultra 7 265HX (30MB Cache)
  - 40.6 cm (16") Full HD+ 1920 x 1200 WVA, NVIDIA RTX PRO 3000 Blackwell (12GB GDDR7)
  - 32GB DDR5-SDRAM (2 x 16) & 1000GB SSD
- Intel Core Ultra 7 265HX (30MB Cache), 32GB DDR5-SDRAM, 1000GB SSD, 40.6 cm (16") Full HD+ 1920 x 1200 WVA, Intel Graphics, NVIDIA RTX PRO 3000 Blackwell (12GB GDDR7), LAN, WLAN, Webcam, Windows 11 Pro 64-bit

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**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	
Colour name	Magnetite	Infrared (IR) camera	✓
Product type *	Mobile workstation	Privacy camera	✓
Product colour *	Black	Privacy type	Privacy shutter
Form factor *	Clamshell	<b>Network</b>	
Intel® vPro™ Platform Eligibility	✓	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
<b>Display</b>		Wi-Fi standards	802.11a, 802.11ad, 802.11b, 802.11g, Wi-Fi 6 (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+	WLAN controller model	Intel Wi-Fi 7 BE200
Panel type	WVA	WLAN controller manufacturer	Intel
Display technology marketing name	ComfortView Plus	Ethernet LAN	✓
LED backlight	✓	Ethernet LAN data rates	10,1000,2500,100 Mbit/s
Native aspect ratio	16:10	Bluetooth	✓
Anti-glare screen	✓	Near Field Communication (NFC)	✓
Display brightness	500 cd/m <sup>2</sup>	<b>Ports &amp; interfaces</b>	
Pixel density	141 ppi	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
RGB colour space	DCI-P3	Ethernet LAN (RJ-45) ports	1
Colour gamut	100%	HDMI ports quantity *	1
Low Blue Light technology	✓	HDMI version	2.1
Display response rise/fall	35 ms	Thunderbolt 4 ports quantity	1
Maximum refresh rate	120 Hz	Thunderbolt 5 ports quantity	2
Contrast ratio (typical)	1500:1	Intel® Thunderbolt 4	✓
<b>Processor</b>		Intel® Thunderbolt 5	✓
Processor manufacturer *	Intel	Combo headphone/mic port	✓
Processor family *	Intel Core Ultra 7	USB Type-C DisplayPort Alternate Mode	✓
Processor generation	Intel Core Ultra (Series 2)	<b>Performance</b>	
Processor model *	265HX		
Processor cores	20		
Processor threads	20		
Processor boost frequency	5.3 GHz		
Performance cores	8		

<b>Processor</b>		<b>Performance</b>	
Efficient cores	12	Ambient light sensor	✓
Performance-core Max Turbo Frequency	5.3 GHz	Accelerometer	✓
Efficient-core Max Turbo Frequency	4.6 GHz	Hall sensor	✓
Performance-core base frequency	2.6 GHz	<b>Keyboard</b>	
Efficient-core base frequency	2.3 GHz	Pointing device	Touchpad
Processor cache	30 MB	Numeric keypad *	✓
Processor base power	55 W	Keyboard backlit	✓
Maximum turbo power	160 W	Keyboard language	UK English
<b>Neural processor unit (NPU)</b>		Copilot key	✓
Neural processor unit (NPU)	Intel AI Boost	<b>Software</b>	
Sparsity support	✓	Operating system architecture	64-bit
Windows Studio effects support	✓	Trial software	Activate Your Microsoft 365 For A 30 Day Trial
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Operating system installed *	Windows 11 Pro
Total processor performance up to	33 TOPs	<b>Brand-specific features</b>	
NPU performance up to	13 TOPs	Brand specific technologies	Control Vault 3+, Express Charge Boost capable, TNR
GPU performance up to	8 TOPs	<b>Battery</b>	
<b>Memory</b>		Battery technology	Lithium-Ion (Li-Ion)
Internal memory *	32 GB	Number of battery cells	6
Internal memory type	DDR5-SDRAM	Battery capacity *	96 Wh
Memory layout (slots x size)	2 x 16 GB	Battery voltage	11.7 V
Memory slots	2x CSODIMM	Battery recharge time	3 h
Maximum internal memory *	64 GB	Fast charging	✓
Memory channels	Dual-channel	<b>Power</b>	
Memory data transfer rate	6400 MT/s	AC adapter power	280 W
Non-ECC	✓	AC adapter frequency	50/60 Hz
<b>Storage</b>		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 Power Delivery (USB PD)	✓
Number of SSDs installed	1	<b>Security</b>	
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	✓
Optical drive type *	✗	Windows Hello	✓
Card reader integrated	✓	Trusted Platform Module (TPM)	✓
Compatible memory cards	SD, SDHC, SDXC	Trusted Platform Module (TPM) version	2.0
<b>Graphics</b>		Dell ControlVault	✓
Discrete GPU manufacturer	NVIDIA	<b>Operational conditions</b>	
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	Non-operating shock	160 G
<b>Audio</b>		Operating vibration	0.66 G
Audio chip	Cirrus Logic CS42L43	Non-operating vibration	1.3 G
Number of built-in speakers	2	<b>Weight &amp; dimensions</b>	
Speaker power	2 W	Width	360 mm
Built-in microphone	✓		
Number of microphones	2		
<b>Camera</b>			
Front camera	✓		

Camera		Weight & dimensions	
Front camera resolution (numeric)	8.29 MP	Depth	258.6 mm
Front camera resolution	1920 x 1080 pixels	Height (front)	1.73 cm
Front camera HD type	Full HD	Height (rear)	1.9 cm
Video capturing speed	30 fps	Weight *	2.55 kg
Carbon footprint			
Total carbon footprint (kg of CO2e)		202	
Carbon emissions, manufacturing (kg of CO2e)		141.4	
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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