



**DELL Pro Max 16 MC16250 Intel Core Ultra 7 265H Mobile workstation 40.6 cm (16") Full HD+ 16 GB DDR5-SDRAM 512 GB SSD NVIDIA RTX PRO 500 Blackwell Wi-Fi 7 (802.11be) Windows 11 Pro UK English Black**



**Brand :** DELL

**Product family:** Pro

**Product code:** 4TK2R

**Product name :** MC16250

- Windows 11 Pro 64-bit
  - Intel Core Ultra 7 265H (24MB Cache)
  - 16" Full HD+ 1920 x 1200 WVA, NVIDIA RTX PRO 500 Blackwell (6GB GDDR7)
  - 16GB DDR5-SDRAM (2 x 8) & 512GB SSD
- Intel Core Ultra 7 265H (24MB Cache), 16GB DDR5-SDRAM, 512GB SSD, 16" Full HD+ 1920 x 1200 WVA, Intel Arc 140T, NVIDIA RTX PRO 500 Blackwell (6GB GDDR7), LAN, WLAN, Webcam, Windows 11 Pro 64-bit

DELL Pro Max 16 MC16250 Intel Core Ultra 7 265H Mobile workstation 40.6 cm (16") Full HD+ 16 GB DDR5-SDRAM 512 GB SSD NVIDIA RTX PRO 500 Blackwell Wi-Fi 7 (802.11be) Windows 11 Pro UK English Black:

Dell Pro Max 16 laptop merges exceptional performance with a large display. Designed for power users and light design applications in the office or on the go.

Design		Camera	
Colour name	Magnetite	Front camera resolution (numeric)	2.07 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
Market positioning	Business	Infrared (IR) camera	✓
Intel® vPro™ Platform Eligibility	✓	Privacy camera	✓
Certified refurbished	✗	Privacy type	Privacy shutter
Display		Network	
Display diagonal *	40.6 cm (16")	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Display resolution *	1920 x 1200 pixels	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)
Touchscreen *	✗	Mobile network connection *	✗
HD type	Full HD+	Wi-Fi band	Tri-band (2.4 GHz / 5 GHz / 6 GHz)
Panel type	WVA	Antenna type	2x2
Native aspect ratio	16:10	WLAN controller model	Intel Wi-Fi 7 BE201
Anti-glare screen	✓	WLAN controller manufacturer	Intel
Display brightness	300 cd/m <sup>2</sup>	Ethernet LAN	✓
Pixel density	142 ppi	Ethernet LAN data rates	10,100,1000 Mbit/s
RGB colour space	NTSC	Bluetooth	✓
Colour gamut	45%		
Maximum refresh rate	60 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
Processor manufacturer *	Intel	HDMI ports quantity *	1
Processor family *	Intel Core Ultra 7	HDMI version	2.1
Processor generation	Intel Core Ultra (Series 2)	Thunderbolt 4 ports quantity	2
Processor model *	265H	Intel® Thunderbolt 4	✓
Processor cores	16	Combo headphone/mic port	✓
Processor threads	16	USB Type-C DisplayPort Alternate Mode	✓
Processor boost frequency	5.3 GHz	PowerShare	✓
Performance cores	6		
Efficient cores	8		

<b>Processor</b>		<b>Performance</b>	
Low Power Efficient-cores	2	Motherboard chipset	Intel SoC
Performance-core Max Turbo Frequency	5.3 GHz	Accelerometer	✓
Efficient-core Max Turbo Frequency	4.5 GHz	Hall sensor	✓
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	<b>Keyboard</b>	
Performance-core base frequency	2.2 GHz	Pointing device	Touchpad
Efficient-core base frequency	1.7 GHz	Numeric keypad *	✓
Low Power Efficient-core Base Frequency	700 MHz	Keyboard backlit	✓
Processor cache	24 MB	Keyboard language	UK English
Processor base power	28 W	Copilot key	✓
Maximum turbo power	115 W	<b>Software</b>	
<b>Neural processor unit (NPU)</b>		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	✓	<b>Brand-specific features</b>	
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Brand specific technologies	Express Charge Boost capable, Control Vault 3+, HDR Camera
Total processor performance up to	97 TOPs	<b>Battery</b>	
NPU performance up to	13 TOPs	Battery technology	Lithium Polymer (LiPo)
GPU performance up to	75 TOPs	Number of battery cells	6
<b>Memory</b>		Battery capacity *	96 Wh
Internal memory *	16 GB	Battery voltage	11.7 V
Internal memory type	DDR5-SDRAM	Battery recharge time	3 h
Memory form factor	SO-DIMM	Fast charging	✓
Memory layout (slots x size)	2 x 8 GB	Battery weight	351 g
Memory slots	2x SO-DIMM	<b>Power</b>	
Maximum internal memory *	64 GB	USB Type-C charging port *	✓
Memory channels	Dual-channel	USB Type-C required charging power (min) *	45 W
Memory data transfer rate	5600 MT/s	USB Type-C required charging power (max) *	100 W
Non-ECC	✓	USB Power Delivery (USB PD)	✓
<b>Storage</b>		USB charging voltage	20,5,9,15 V
Total storage capacity *	512 GB	<b>Security</b>	
Storage media *	SSD	Cable lock slot	✓
Total SSDs capacity	512 GB	Cable lock slot type	Wedge
Number of SSDs installed	1	Fingerprint reader	✓
SSD capacity	512 GB	Smart card reader	✓
SSD interface	PCI Express 4.0	Trusted Platform Module (TPM)	✓
NVMe	✓	Trusted Platform Module (TPM) version	2.0
SSD form factor	M.2	Dell ControlVault	✓
SSD performance class	35	<b>Operational conditions</b>	
M.2 SSD size	2230 (22 x 30 mm)	Operating temperature (T-T)	0 - 35 °C
Self-Encrypting Drive (SED)	✓	Storage temperature (T-T)	-40 - 65 °C
Optical drive type *	✗	Operating relative humidity (H-H)	10 - 90%
Card reader integrated	✓	Storage relative humidity (H-H)	0 - 95%
Compatible memory cards	MicroSD (TransFlash), MicroSDHC, MicroSDXC	Operating altitude	-15.2 - 3048 m
<b>Graphics</b>		Non-operating altitude	-15.2 - 10668 m
Discrete GPU manufacturer	NVIDIA	Operating shock	110 G
Discrete graphics card model *	NVIDIA RTX PRO 500 Blackwell	Non-operating shock	160 G
Discrete graphics card memory	6 GB	Operating vibration	0.66 G
Discrete graphics memory type	GDDR7	Non-operating vibration	1.3 G
On-board graphics card *	✓	<b>Sustainability</b>	
On-board GPU manufacturer	Intel	Sustainability certificates	ENERGY STAR, EPEAT Gold
Discrete graphics card *	✓		
On-board graphics card family	Intel Arc Graphics		
On-board graphics card model *	Intel Arc 140T		

Audio		Weight & dimensions	
Audio chip	Realtek ALC3329	Width	358 mm
Audio system	MaxxAudio Pro	Depth	256 mm
Number of built-in speakers	2	Height (front)	1.51 cm
Speakers manufacturer	Waves	Height (rear)	1.91 cm
Speaker power	2.5 W	Weight *	2.1 kg
Built-in microphone	✓	<b>Carbon footprint</b>	
Number of microphones	2	Total carbon footprint (kg of CO2e)	118
<b>Camera</b>		Carbon emissions, manufacturing (kg of CO2e)	85.2
Front camera	✓	Carbon emissions, logistics (kg of CO2e)	6.14
		Carbon emissions, energy usage (kg of CO2e)	25.49
		Carbon emissions, end-of-life (kg of CO2e)	1.3
		PAIA version	GaBi version 1, 2024
		<b>Packaging content</b>	
		AC adapter included *	✗



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