



DELL Pro Max 16 MC16255 Copilot+ PC AMD Ryzen AI 7 PRO 350 Laptop 40.6 cm (16") Full HD+ 32 GB LPDDR5x-SDRAM 1 TB SSD NVIDIA RTX PRO 1000 Blackwell Wi-Fi 7 (802.11be) Windows 11 Pro English Black



Brand : DELL

Product family: Pro

Product code:
BTO604_MC16255_EMEA

Product name : MC16255

DELL Pro Max 16 MC16255. Product type: Laptop, Form factor: Clamshell. Processor family: AMD Ryzen AI 7 PRO, Processor model: 350, Processor frequency: 2 GHz. Display diagonal: 40.6 cm (16"), HD type: Full HD+, Display resolution: 1920 x 1200 pixels. Internal memory: 32 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: AMD Radeon 860M. Operating system installed: Windows 11 Pro. Product colour: Black

Design		Network	
Colour name	Magnetite	WLAN controller model	MediaTek MT7925
Product type *	Laptop	WLAN controller manufacturer	MediaTek
Product colour *	Black	Ethernet LAN	✓
Form factor *	Clamshell	Ethernet LAN data rates	10,100,1000 Mbit/s
Display		Bluetooth	✓
Display diagonal *	40.6 cm (16")	Near Field Communication (NFC)	✓
Display resolution *	1920 x 1200 pixels	Ports & interfaces	
Touchscreen *	✗	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
HD type	Full HD+	Ethernet LAN (RJ-45) ports	1
Panel type	WVA	HDMI ports quantity *	1
Native aspect ratio	16:10	HDMI version	2.1
Anti-glare screen	✓	Thunderbolt 4 ports quantity	2
Display brightness	300 cd/m²	Intel® Thunderbolt 4	✓
Pixel density	142 ppi	Combo headphone/mic port	✓
RGB colour space	NTSC	PowerShare	✓
Colour gamut	45%	Performance	
Display response rise/fall	35 ms	Motherboard chipset	AMD SoC
Maximum refresh rate	60 Hz	Accelerometer	✓
Contrast ratio (typical)	1000:1	Hall sensor	✓
Processor		Keyboard	
Processor manufacturer *	AMD	Pointing device	Touchpad
Processor family *	AMD Ryzen AI 7 PRO	Numeric keypad *	✓
Processor generation	AMD Ryzen AI 300 Series	Keyboard backlit	✓
Processor model *	350	Keyboard language	English
Processor cores	8	Copilot key	✓
Processor threads	16	Software	
Processor boost frequency	5 GHz	Operating system architecture	64-bit
Processor frequency *	2 GHz		
L3 cache	16 MB		
L2 cache	8 MB		
Processor base power	28 W		

Neural processor unit (NPU)		Software	
Copilot+ PC	✓	Trial software	McAfee Business Protection 1-year (Disti Only),Activate Your Microsoft 365 For A 30 Day Trial
Neural processor unit (NPU)	AMD Ryzen AI		
Total processor performance up to	66 TOPs	Operating system installed *	Windows 11 Pro
NPU performance up to	50 TOPs		
Memory		Brand-specific features	
Internal memory *	32 GB	Brand specific technologies	Control Vault 3+, Express Charge Boost capable, TNR
Internal memory type	LPDDR5x-SDRAM		
Memory form factor	On-board	Battery	
Memory layout (slots x size)	1 x 32 GB	Battery technology	Lithium Polymer (LiPo)
Maximum internal memory *	32 GB	Number of battery cells	6
Memory channels	Dual-channel	Battery capacity *	96 Wh
Memory data transfer rate	8000 MT/s	Battery voltage	11.7 V
Non-ECC	✓	Battery recharge time	3 h
Storage		Fast charging	✓
Total storage capacity *	1 TB	Battery weight	351 g
Storage media *	SSD	Power	
Total SSDs capacity	1 TB	AC adapter power	130 W
Number of SSDs installed	1	AC adapter frequency	50/60 Hz
SSD capacity	1 TB	AC adapter input voltage	100 - 240 V
SSD interface	PCI Express 4.0	USB Type-C charging port *	✓
NVMe	✓	USB Type-C required charging power (min) *	45 W
SSD form factor	M.2	USB Power Delivery (USB PD)	✓
M.2 SSD size	2280 (22 x 80 mm)	USB charging voltage	5,9,15,20 V
Optical drive type *	✗	Security	
Card reader integrated	✓	Cable lock slot	✓
Compatible memory cards	MicroSD (TransFlash)	Cable lock slot type	Wedge
Graphics		Fingerprint reader	✓
Discrete GPU manufacturer	NVIDIA	Smart card reader	✓
Discrete graphics card model *	NVIDIA RTX PRO 1000 Blackwell	Trusted Platform Module (TPM)	✓
Discrete graphics card memory	8 GB	Trusted Platform Module (TPM) version	2.0
Discrete graphics memory type	GDDR7	Operational conditions	
On-board graphics card *	✓	Operating temperature (T-T)	0 - 35 °C
On-board GPU manufacturer	AMD	Storage temperature (T-T)	-40 - 65 °C
Discrete graphics card *	✓	Operating relative humidity (H-H)	10 - 90%
On-board graphics card family	AMD Radeon	Storage relative humidity (H-H)	0 - 95%
On-board graphics card model *	AMD Radeon 860M	Operating altitude	-15.2 - 3048 m
Audio		Non-operating altitude	-15.2 - 10668 m
Audio chip	Realtek ALC3329	Operating shock	110 G
Number of built-in speakers	2	Non-operating shock	160 G
Speaker power	2 W	Operating vibration	0.66 G
Built-in microphone	✓	Non-operating vibration	1.3 G
Number of microphones	2	Weight & dimensions	
Camera		Width	358 mm
Front camera	✓	Depth	256 mm
Front camera resolution (numeric)	2.07 MP	Height (front)	1.51 cm
Front camera resolution	1920 x 1080 pixels	Height (rear)	1.91 cm
Front camera HD type	Full HD	Weight *	2.08 kg
Video capturing speed	30 fps	Carbon footprint	
Privacy camera	✓	Total carbon footprint (kg of CO2e)	121
Privacy type	Privacy shutter	Carbon emissions, manufacturing (kg of CO2e)	95.832
Network		Carbon emissions, logistics (kg of CO2e)	3.872
Top Wi-Fi standard *	Wi-Fi 7 (802.11be)	Carbon emissions, energy usage (kg of CO2e)	20.691
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)		
Mobile network connection *	✗		

Network		Carbon footprint	
Wi-Fi band	Tri-band (2.4 GHz / 5 GHz / 6 GHz)	Carbon emissions, end-of-life (kg of CO2e)	0.61
Wi-Fi data rate (max)	2882 Mbit/s	PAIA version	GaBi version 1, 2025
		Packaging content	
		AC adapter included *	✓

Catalog Object Cloud



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