



**DELL Pro Max 16 Premium MA16250 Intel Core Ultra 7 255H
Mobile workstation 40.6 cm (16") Full HD+ 32 GB LPDDR5x-SDRAM
512 GB SSD NVIDIA RTX PRO 1000 Blackwell Wi-Fi 7 (802.11be)
Windows 11 Pro Black**



Brand : DELL

Product family: Pro Max

Product code: 8X7PT

Product name : MA16250

- Windows 11 Pro 64-bit
- Intel Core Ultra 7 255H (24MB Cache)
- 40.6 cm (16") Full HD+ 1920 x 1200 WVA, NVIDIA RTX PRO 1000 Blackwell (8GB GDDR7)
- 32GB LPDDR5x-SDRAM & 512GB SSD
Intel Core Ultra 7 255H (24MB Cache), 32GB LPDDR5x-SDRAM, 512GB SSD, 40.6 cm (16") Full HD+ 1920 x 1200 WVA, Intel Arc 140T, NVIDIA RTX PRO 1000 Blackwell (8GB GDDR7), WLAN, Webcam, Windows 11 Pro 64-bit

DELL Pro Max 16 Premium MA16250 Intel Core Ultra 7 255H Mobile workstation 40.6 cm (16") Full HD+ 32 GB LPDDR5x-SDRAM 512 GB SSD NVIDIA RTX PRO 1000 Blackwell Wi-Fi 7 (802.11be) Windows 11 Pro Black:

Unstoppable power. Modern design.

Empower your creativity with the thin, light 16-inch laptop that elevates every task effortlessly with exceptional battery life, Intel® Core™ Ultra processors, NVIDIA graphics, and advanced on-device AI.

Design		Camera	
Product type *	Mobile workstation	Front camera	✓
Product colour *	Black	Front camera resolution (numeric)	8 MP
Form factor *	Clamshell	Front camera resolution	2560 x 1440 pixels
Display		Video capturing speed	30 fps
Display diagonal *	40.6 cm (16")	Infrared (IR) camera	✓
Display resolution *	1920 x 1200 pixels	Network	
Touchscreen *	✗	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
HD type	Full HD+	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)
Panel type	WVA	Mobile network connection *	✗
Native aspect ratio	16:10	Wi-Fi band	Tri-band (2.4 GHz / 5 GHz / 6 GHz)
Anti-glare screen	✓	Antenna type	2x2
Display brightness	500 cd/m²	WLAN controller model	Intel Wi-Fi 7 BE201
Pixel density	142 ppi	WLAN controller manufacturer	Intel
RGB colour space	DCI-P3	Bluetooth	✓
Colour gamut	100%	MIMO	✓
Display response rise/fall	35 ms	MIMO type	Multi User MIMO
Maximum refresh rate	120 Hz	Ports & interfaces	
Contrast ratio (typical)	1500:1	HDMI ports quantity *	1
Processor		HDMI version	2.1
Processor manufacturer *	Intel	Thunderbolt 4 ports quantity	1
Processor family *	Intel Core Ultra 7	Thunderbolt 5 ports quantity	2
Processor generation	Intel Core Ultra (Series 2)	Intel® Thunderbolt 4	✓
Processor model *	255H	Intel® Thunderbolt 5	✓
Processor cores	16	Combo headphone/mic port	✓
Processor threads	16	USB Type-C DisplayPort Alternate Mode	✓
Processor boost frequency	5.1 GHz	Performance	
Performance cores	6	Motherboard chipset	Intel SoC
Efficient cores	8	Ambient light sensor	✓
Low Power Efficient-cores	2		
Performance-core Max Turbo Frequency	5.1 GHz		
Efficient-core Max Turbo Frequency	4.4 GHz		

Processor		Performance	
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Accelerometer	✓
Performance-core base frequency	2 GHz	Hall sensor	✓
Efficient-core base frequency	1.5 GHz	Keyboard	
Low Power Efficient-core Base Frequency	700 MHz	Pointing device	Touchpad
Processor cache	24 MB	Numeric keypad *	✗
Processor base power	28 W	Keyboard backlit	✓
Maximum turbo power	115 W	Spill-resistant keyboard	✓
Neural processor unit (NPU)		Copilot key	✓
Neural processor unit (NPU)	Intel AI Boost	Software	
Sparsity support	✓	Operating system architecture	64-bit
Windows Studio effects support	✓	Operating system installed *	Windows 11 Pro
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Brand-specific features	
Total processor performance up to	96 TOPs	Brand specific technologies	Battery-saving Mini-LED, Express Charge Boost capable
NPU performance up to	13 TOPs	Battery	
GPU performance up to	74 TOPs	Battery technology	Lithium-Ion (Li-Ion)
Memory		Number of battery cells	6
Internal memory *	32 GB	Battery capacity *	96 Wh
Internal memory type	LPDDR5x-SDRAM	Battery voltage	11.7 V
Memory form factor	On-board	Battery recharge time	3 h
Maximum internal memory *	32 GB	Fast charging	✓
Memory data transfer rate	8400 MT/s	Battery weight	351 g
Storage		Power	
Total storage capacity *	512 GB	AC adapter power	165 W
Storage media *	SSD	AC adapter frequency	50/60 Hz
Total SSDs capacity	512 GB	AC adapter input voltage	100 - 240 V
Number of SSDs installed	1	USB Type-C charging port *	✓
SSD capacity	512 GB	USB Type-C required charging power (min) *	100 W
SSD interface	PCI Express 4.0	USB Type-C required charging power (max) *	100 W
NVMe	✓	USB Power Delivery (USB PD)	✓
SSD form factor	M.2	Security	
SSD performance class	35	Cable lock slot	✓
Optical drive type *	✗	Cable lock slot type	Wedge
Card reader integrated	✓	Fingerprint 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 1000 Blackwell	Operating temperature (T-T)	0 - 35 °C
Discrete graphics card memory	8 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 Arc Graphics	Operating shock	110 G
On-board graphics card model *	Intel Arc 140T	Non-operating shock	160 G
Audio		Operating vibration	0.66 G
Audio chip	Cirrus Logic CS42L43	Non-operating vibration	1.3 G
Audio system	Dolby Atmos	Weight & dimensions	
Number of built-in speakers	4	Width	353.8 mm
Built-in microphone	✓	Depth	240.3 mm
		Height	22 mm
		Height (front)	2.08 cm
		Height (rear)	2.08 cm

Weight & dimensions	
Weight *	2.19 kg
Packaging content	
AC adapter included *	✓



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