

Dell Pro Max 18 Plus MB18250 (KYP4M)

Dell Pro Max 18 Plus MB18250 - AI PC - Intel Core Ultra 7 - 265HX / up to 5.3 GHz - vPro Enterprise - Win 11 Pro - RTX PRO 2000 Blackwell - 32 GB RAM - 1 TB SSD SED, NVMe, TLC, Performance - 18" 2560 x 1600 (QHD+) @ 120 Hz - 2.5 Gigabit Ethernet - NFC, Wi-Fi 7 - magnetite - BTP - with 3 Years ProSupport



The Dell Pro 18 Max Plus MB18250 redefines mobile workstations with its 18-inch QHD+ display that has a native resolution of 2560 x 1600. With a brightness of 500 cd/m² and a refresh rate of 120 Hz, this display delivers vivid colors and smooth visuals, enhancing any viewing experience. Its design is complemented by low blue light technology, ensuring comfort during extended use. The touchscreen capability and anti-glare finish further elevate usability in various lighting conditions. Equipped with an Intel Core Ultra MB18250 offers performance for demanding applications. The solid-state drive provides fast data access, while the built-in dual array microphone and stereo speakers facilitate clear audio during video calls or multimedia playback. Additionally, features like the AI-driven Neural Processor Unit enhance performance in machine learning tasks, making this device suitable for professionals engaged in data-intensive projects. Durability and security are also prioritized with chassis intrusion detection and a fingerprint reader, alongside multiple expansion slots for future upgrades. With its powerful hardware, professional features, and sleek design, the Dell Pro 18 Max Plus MB18250 serves as a reliable choice for both business and creative endeavors.

Key Selling Points

- 18-inch QHD+ display with 2560 x 1600 resolution
- Intel Core Ultra 7 processor with 20 cores
- 32 GB DDR5 RAM for multitasking
- Security features including a fingerprint reader
- Solid-state drive for performance

Product Features

- Impressive display**
The 18-inch QHD+ display offers a resolution of 2560 x 1600, providing clear and vibrant visuals with a brightness of 500 cd/m² and a 120 Hz refresh rate, enabling smooth motion handling.
- Robust performance**
Powered by an Intel Core Ultra 7 processor with 20 cores and a clock speed of up to 5.3 GHz, paired with 32 GB of DDR5 SDRAM, this device handles demanding tasks efficiently.
- Versatile connectivity options**
Equipped with multiple USB ports including USB-C and Thunderbolt 4, alongside HDMI and Ethernet interfaces, making it easy to connect to various devices and networks.
- Enhanced security features**
The laptop includes a fingerprint reader, smart card reader, and chassis intrusion detection, ensuring data security and user privacy.
- Efficient cooling system**
Designed with advanced cooling technologies to maintain optimal performance during high-intensity tasks, enhancing reliability and durability.

Main specifications

Product Description	Dell Pro Max 18 Plus MB18250 - AI PC - 18" - Intel Core Ultra 7 - 265HX - vPro Enterprise - 32 GB RAM - 1 TB SSD
Product Type	Mobile workstation - AI PC
Operating System	Win 11 Pro
Platform Technology	Intel vPro Enterprise
Processor	Intel Core Ultra 7 (Series 2) - 265HX / 2.6 GHz, up to 5.3 GHz / 30 MB Cache
Neural Processor Unit (NPU)	Intel AI Boost - up to 13 TOPS
Memory	32 GB DDR5 (2 x 16 GB)
Storage	1 TB SSD - SED, NVMe, TLC, Performance
Display	18" 2560 x 1600 / QHD+ @ 120 Hz - 168 ppi
Graphics	NVIDIA RTX PRO 2000 Blackwell - up to 8 TOPS
Video Memory	8 GB GDDR7 SDRAM
Input Device	Keyboard, touchpad
Keyboard Backlight	Yes
Numeric Keypad	Yes
Integrated Webcam	Yes
Networking	Bluetooth, NFC, 802.11a/b/g/n/ac/ax/be, 2.5 Gigabit Ethernet

Battery	6-cell
Features	Accelerometer, gyro sensor, hall sensor, brightness sensor
Security	Discrete Trusted Platform Module (TPM 2.0) Security Chip, fingerprint reader, smart card reader, contactless smart card reader
Colour	Magnetite
Dimensions (WxDxH)	40.2 cm x 27.995 cm x 3.17 cm
Weight	3.25 kg
Pricing Type	Build To Plan (BTP)
Manufacturer Selling Program	Dell Smart Selection
Environmental Standards	ENERGY STAR Qualified EPEAT Gold, EPEAT Climate+
Carbon Footprint	207 kg carbon emissions
Specific Absorption Rate (SAR)	0.994 W/kg (body) † 0.994 W/kg (limb)
Bundled Services	3 Years ProSupport

Extended specification

General

Product Type	Mobile workstation
AI Level	AI PC
Operating System	Windows 11 Pro

Memory

RAM	32 GB (2 x 16 GB)
Max RAM Supported	64 GB
Technology	DDR5 SDRAM - non-ECC
Speed	6400 MT/s
Rated Speed	6400 MT/s
Form Factor	CSO-DIMM 262-pin
Slots Qty	2
Empty Slots	0

Manufacturer Warranty

Bundled Services	3 Years ProSupport
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Storage

Main Storage	1 TB SSD M.2 2280 PCIe - Self-Encrypting Drive, NVMe Express (NVMe), triple-level cell (TLC), Performance
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Miscellaneous

Colour	Magnetite
Integrated Options	Accelerometer, gyro sensor, hall sensor, brightness sensor
Security	Discrete Trusted Platform Module (TPM 2.0) Security Chip, fingerprint reader, smart card reader, contactless smart card reader
Features	Chassis intrusion detection, Intel Rapid Storage Technology, ExpressCharge, ExpressChargeBoost, Dell ControlVault 3 +
Theft/Intrusion Protection	Security lock slot (cable lock sold separately)
Security Slot Type	Noble Wedge security slot
Included Accessories	POD Label
Compliant Standards	FIPS 140-2, TCG Certified
Specific Absorption Rate (SAR)	0.994 W/kg (body) † 0.994 W/kg (limb)
Pricing Type	Build To Plan (BTP)

Manufacturer Selling Program	Dell Smart Selection
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Environmental Parameters

Min Operating Temperature	0 °C
Max Operating Temperature	35 °C
Humidity Range Operating	10 - 90% (non-condensing)
Shock Tolerance (operating)	110 g @ 2 ms half-sine pulse
Shock Tolerance (non-operating)	160 g @ 2 ms half-sine pulse
Vibration Tolerance (operating)	0.66 g @ RMS (random)
Vibration Tolerance (non-operating)	1.3 g @ RMS (random)

Software

Software Included	Intel Connectivity Performance Suite, Activate your Microsoft 365 for a 30 day trial
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Display

Type	18"
Resolution	2560 x 1600 (QHD+)
V-Sync Rate at Max Res.	120 Hz
Widescreen	Yes
Pixel Density (ppi)	168
Image Brightness	500 cd/m²
Horizontal Viewing Angle	+85 / -85
Vertical Viewing Angle	+85 / -85
Colour Gamut	100% DCI-P3
Features	Anti-glare, Wide Viewing Angle, 30 ms response rate, Low Blue Light technology, 0.15 mm pixel pitch

Battery

Technology	6-cell Lithium Ion
Capacity	96 Wh

Communications

Wireless	Bluetooth, NFC, 802.11a/b/g/n/ac/ax/be
Wireless Controller	Intel WI-FI 7 BE200 - M.2 2230
Network Interface	2.5 Gigabit Ethernet
Ethernet Controller	Intel I226-LM

Dimensions & Weight

Dimensions (WxDxH)	40.2 cm x 27.995 cm x 3.17 cm
Weight	3.25 kg

Processor / Chipset

CPU	Intel Core Ultra 7 (Series 2) 265HX / 2.6 GHz
Max Turbo Speed	5.3 GHz
Number of Cores	20-core
Performance Cores	8
Efficient Cores	12
Cache	30 MB
Chipset	Intel WM880
Platform Technology	Intel vPro Enterprise

Audio & Video

Graphics Processor	NVIDIA RTX PRO 2000 Blackwell - up to 8 TOPS
Video Memory	8 GB GDDR7 SDRAM
Camera	Yes
Resolution	8.29 Megapixel (standard), 0.23 Megapixel (infrared)
Image Sensor Type	CMOS
Frame Rate	30 frames per second
Camera Features	HDR (High Dynamic Range), IR camera, RGB camera, Temporal Noise Reduction, 86.6 degrees (IR camera), camera shutter, 88.1 degrees
Sound	Stereo speakers, dual array microphone
Codec	CS42L43

Input

Type	Keyboard, touchpad
Keyboard Backlight	Yes
Numeric Keypad	Yes
Features	Copilot key

Connections & Expansion

Slots	4 x M.2 Card (3 available)
Interfaces Details	HDMI ¦ 2 x USB4/Thunderbolt 5/DisplayPort 2.1 (Power Delivery) ¦ USB 3.2 Gen 1 ¦ USB 3.2 Gen 1 (PowerShare) ¦ USB4 (supports Thunderbolt 4, DisplayPort 2.1 Alt Mode) (Power Delivery) ¦ Headphone/microphone combo jack ¦ LAN (RJ-45)
Memory Card Reader	Yes (SD Card, SDHC Card, SDXC Card)

Sustainability Information

EPEAT Compliant	EPEAT Gold
EPEAT Climate+	Yes
ENERGY STAR Certified	Yes
Carbon Footprint	207 kg carbon emissions
Manufacturing (kg CO2e)	152.56
Logistics (kg CO2e)	9.32
Use (kg CO2e)	37.26
EOL (kg CO2e)	7.87
Total Carbon w/o Use Phase (kg CO2e)	170
PAIA Version	GaBi version 1, 2025

Neural Processor Unit (NPU)

Neural Processor Unit (NPU)	Intel AI Boost
NPU Performance Up To (TOPS)	13 TOPS
Total Processor Performance Up To (TOPS)	33 TOPS
AI Datatype Support on NPU	INT8
Sparsity Support	Yes
AI Software Frameworks Supported by NPU	DirectML, OpenVINO, WebNN, WindowsML, ONNX RT
Windows Studio Effects Support	Yes

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