



DELL Pro Max 16 Plus MB16250 Intel Core Ultra 7 265HX Mobiler Arbeitsplatz 40,6 cm (16") Full HD+ 32 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX PRO 2000 Blackwell Wi-Fi 7 (802.11be) Windows 11 Pro Deutsch Schwarz



Marke : DELL

Produktfamilie: Pro Max

Artikel-Code: 6X8W8

Produktname : 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 2000 Blackwell (8GB 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 2000 Blackwell (8GB GDDR7), LAN, WLAN, Webcam, Windows 11 Pro 64-bit

DELL Pro Max 16 Plus MB16250 Intel Core Ultra 7 265HX Mobiler Arbeitsplatz 40,6 cm (16") Full HD+ 32 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX PRO 2000 Blackwell Wi-Fi 7 (802.11be) Windows 11 Pro Deutsch Schwarz:

Auf Performance ausgerichtet, für Skalierung entwickelt.

Maximieren Sie Leistung und Produktivität mit Dell Pro Max 16 Plus, einem leistungsstarken, modernen 40,64 cm (16")-Laptop, der eine außergewöhnliche Performance mit Nutzerfreundlichkeit, Skalierbarkeit und fortschrittlicher KI auf dem Gerät kombiniert.

Design		Kamera	
Name der Farbe	Magnetite	Art der Privatsphäre	Sichtschutzblende
Produkttyp *	Mobiler Arbeitsplatz	Netzwerk	
Produktfarbe *	Schwarz	Top WLAN-Standard *	Wi-Fi 7 (802.11be)
Formfaktor *	Klappgehäuse	WLAN-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)
Zertifiziert generalüberholt	✗		
Bildschirm		Mobile Netzwerkverbindung *	✗
Bildschirmdiagonale *	40,6 cm (16")	WLAN-Band	Tri-Band (2,4 GHz/5 GHz/6 GHz)
Display-Auflösung *	1920 x 1200 Pixel	Wi-Fi Datenrate (max)	5760 Mbit/s
Touchscreen *	✗	Antennentyp	2x2
HD-Typ	Full HD+	WLAN-Controllermodell	Intel Wi-Fi 7 BE200
Panel-Typ	WVA	Hersteller von WLAN-Controllern	Intel
LED-Hintergrundbeleuchtung	✓	Ethernet/LAN	✓
Natives Seitenverhältnis	16:10	Ethernet LAN Datentransferraten	10,1000,2500,100 Mbit/s
Blendfreier Bildschirm	✓	Bluetooth	✓
Helligkeit	500 cd/m²	Nahfeldkommunikation (NFC)	✓
Pixeldichte	141 ppi	Anschlüsse und Schnittstellen	
RGB-Farbraum	DCI-P3	USB 3.2 Gen 1 (3.1 Gen 1) Anzahl der Anschlüsse vom Typ A *	2
Farbskala	100%	Anzahl Ethernet-LAN-Anschlüsse (RJ-45)	1
Low-Blue-Light-Technologie	✓	Anzahl HDMI-Anschlüsse *	1
Anzeigeverhalten		HDMI-Version	2.1
Steigerung/Senkung	35 ms	Anzahl Thunderbolt 4-Ports	1
Maximale Bildwiederholrate	120 Hz	Anzahl der Thunderbolt 5-Ports	2
Kontrastverhältnis	1500:1	Intel® Thunderbolt 4	✓
Prozessor		Intel® Thunderbolt 5	✓
Prozessorhersteller *	Intel	Kombinierter Kopfhörer-/Mikrofon-Anschluss	✓
Prozessorfamilie *	Intel Core Ultra 7	USB-Typ-C DisplayPort-Wechselmodus	✓
Prozessorgeneration	Intel Core Ultra (Series 2)	PowerShare	✓
Prozessor *	265HX		
Anzahl Prozessorkerne	20		
Prozessor-Threads	20		
Prozessor Boost-Frequenz	5,3 GHz		

Prozessor		Anschlüsse und Schnittstellen	
Leistungskerne	8	Anzahl USB-Anschluss mit PowerShare-Unterstützung	1
Effiziente Kerne	12	Leistungen	
Leistungskern maximale Turbofrequenz	5,3 GHz	Beschleunigungsmesser	✓
Effizienter Kern maximale Turbofrequenz	4,6 GHz	Hallsensor	✓
Leistung Basisfrequenz des Kerns	2,6 GHz	Tastatur	
Effiziente Basisfrequenz des Kerns	2,3 GHz	Eingabegerät	Touchpad
Prozessor-Cache	30 MB	Numerisches Keypad *	✓
Grundleistung des Prozessors	55 W	Tastatur mit Hintergrundbeleuchtung	✓
Maximale Turboleistung	160 W	Tastatursprache	Deutsch
Neuronale Prozessoreinheit (NPU)		Copilotentaste	✓
Neuronale Prozessoreinheit (NPU)	Intel AI Boost	Software	
Sparsity Support	✓	Betriebssystemarchitektur	64-Bit
Unterstützung für Windows Studio-Effekte	✓	Testsoftware	Activate Your Microsoft 365 For A 30 Day Trial
Von der NPU unterstützte AI-Software-Frameworks	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Installiertes Betriebssystem *	Windows 11 Pro
Gesamtleistung des Prozessors bis zu	33 Tera-Vorgänge pro Sekunde	Markeneigenschaften	
NPU-Leistung bis zu	13 Tera-Vorgänge pro Sekunde	Markenspezifische Technologien	TNR, Express Charge Boost capable, Control Vault 3+, HDR Camera
GPU-Leistung bis zu	8 Tera-Vorgänge pro Sekunde	Akku/Batterie	
Speicher		Akku-/Batterietechnologie	Lithium-Ion (Li-Ion)
Speicherkapazität *	32 GB	Anzahl Batteriezellen	6
Interner Speichertyp	DDR5-SDRAM	Batteriekapazität *	96 Wh
Speicherlayout	2 x 16 GB	Akku-/Batteriespannung	11,7 V
RAM-Speicher maximal *	64 GB	Akkuladezeit	3 h
Speicherdatenübertragungsrate	6400 MT/s	Schnellladung	✓
Ohne ECC	✓	Batterieladeanzeige	✓
Speichermedium		Energie	
Gesamtspeicherkapazität *	1 TB	USB Typ-C Ladeport *	✓
Speichermedien *	SSD	Erforderliche Ladeleistung (min.) *	90 W
Gesamtkapazität der SSDs	1 TB	Erforderliche Ladeleistung (max.) *	240 W
Anzahl SSD installiert	1	USB Power Delivery	✓
SSD Speicherkapazität	1 TB	Sicherheit	
SSD-Speichertyp	TLC	Kabelsperr-Slot	✓
SSD Schnittstelle	PCI Express 4.0	Slot-Typ Kabelsperr	Edel
NVMe	✓	Fingerabdruckscanner	✓
SSD-Formfaktor	M.2	Smartcard-Leser	✓
Optisches Laufwerk - Typ *	✗	Trusted Platform Module (TPM)	✓
Integrierter Kartenleser	✓	Trusted Platform Module (TPM) Version	2.0
Kompatible Speicherkarten	SD, SDHC, SDXC	Betriebsbedingungen	
Grafik		Betriebstemperatur	0 - 35 °C
Getrennter GPU-Hersteller	NVIDIA	Temperaturbereich bei Lagerung	-40 - 65 °C
Separates Grafikkartenmodell *	NVIDIA RTX PRO 2000 Blackwell	Relative Luftfeuchtigkeit in Betrieb	10 - 90%
Separater Grafik-Adapterspeicher	8 GB	Luftfeuchtigkeit bei Lagerung	0 - 95%
Dedizierter Grafikspeicher Typ	GDDR7	Höhe bei Betrieb	-15,2 - 3048 m
Eingebaute Grafikkadaper *	✓	Höhe bei Lagerung	-15,2 - 10668 m
Hersteller der eingebauten GPU	Intel	Stoßfestigkeit in Betrieb	110 G
Separater Grafikkadaper *	✓	Stoßfestigkeit außer Betrieb	160 G
On-Board-Grafikkadaperfamilie	Intel-Grafik	Vibrationen in Betrieb	0,66 G
Eingebautes Grafikkartenmodell *	Intel-Grafik	Vibrationen außer Betrieb	1,3 G
Audio		Gewicht und Abmessungen	
Audio-Chip	Cirrus Logic CS42L43	Breite	360 mm
Anzahl eingebauter Lautsprecher	2	Tiefe	258,6 mm
Lautsprecherleistung	2,5 W	Höhe (vorne)	1,73 cm
Eingebautes Mikrofon	✓		
Mikrofonanzahl	2		

Kamera		Gewicht und Abmessungen	
Frontkamera	✓	Höhe (hinten)	1,9 cm
Auflösung Frontkamera (numerisch)	8,29 MP	Gewicht *	2,55 kg
Auflösung Frontkamera	1920 x 1080 Pixel	CO2-Fußabdruck	
Frontkamera HD Typ	Full HD	Gesamter Kohlendioxid-Fußabdruck (kg of CO2e)	202
Video-Capture Geschwindigkeit	30 fps	Kohlenstoffemissionen, Herstellung (kg an CO2e)	141,4
Infrarot (IR)-Kamera	✓	Kohlenstoffemissionen, Logistik (kg an CO2e)	7,878
Privatsphärenkamera	✓	Kohlenstoffemissionen, Energieverbrauch (kg an CO2e)	47,874
		Kohlenstoffemissionen, Ende der Lebensdauer (kg an CO2e)	4,848
		PAIA-Version	GaBi version 1, 2025
		Lieferumfang	
		AC-Netzadapter *	✗



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Catalog Object Cloud



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ENERGY STAR CERTIFIED Computers

DELL - P142F : MB16250

Specifications

ENERGY STAR Unique ID:	4437446
Brand Name:	DELL
Model Name:	P142F
Model Number:	MB16250
Type:	Mobile Workstation
Operating System Name:	Windows 11
Physical CPU Cores (count):	24
Processor Brand:	Intel
Processor Name:	Core Ultra 9
System Memory (GB):	128.0
Default Low-power Mode:	Connected Sleep
TEC of Model (kWh):	36.4
Base TEC Allowance (kWh):	8
Functional Adder Allowances (kWh):	43.4
Long Idle (watts):	2.4
Long Idle Power Used for Sleep Mode:	No
Off Mode (watts):	0.4
Short Idle (watts):	12.1
Sleep Mode (watts):	2.4
Ethernet Capability:	Yes
Touch Screen:	Yes
Date Available On Market:	2025-07-17
Date Certified:	2025-06-13
Markets:	United States, Switzerland, Taiwan, Japan, Canada
ENERGY STAR Certified:	Yes

Captured On:
08/19/2026



Life Cycle Assessment

Dell Pro Max 16 Plus MB16250

Report date: 2025 July

At Dell Technologies, we're working to reduce the impact of our business and products on the environment. Reducing the carbon footprint of our products is a critical consideration in our product designs and it also enables our customers to achieve their own sustainability goals.

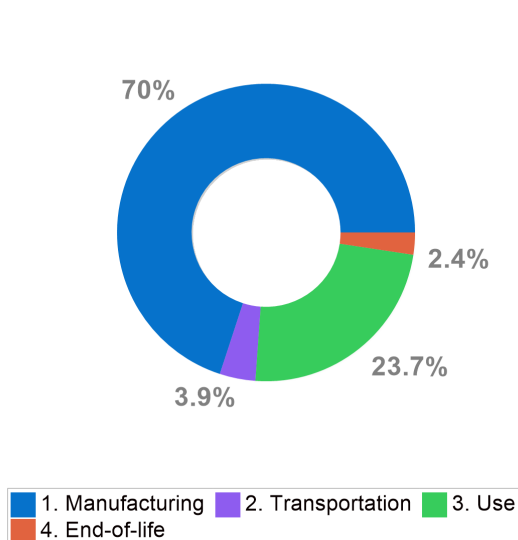
This document summarizes the Life Cycle Assessment (LCA) study of a Dell Pro Max 16 Plus MB16250. It was created using DELL's Product Carbon Footprint Calculator Version 1, an ISO14040 certified parametric LCA modeling tool powered by Sphera's LCA Calculator. The goal of this LCA is to quantify the product carbon footprint (aka global warming potential) of a single product system. Learn more about the calculation methodology please reference the report on our website.

The system's impacts were calculated across the products full life cycle (cradle-to-grave), including the extraction of raw materials, production of components, transportation, use of the product, and "end-of-life". Further assumptions and limitations to this approach are addressed in the greater methodology referenced above. The following assumptions were used to estimate the product impacts:

Assumptions for calculating PCF:

Product Weight	4.17 kg	Product Lifetime	4 yrs
Processor	Intel Core Ultra 9 285HX	Energy Demand (Yearly TEC)	36.4 kWh/a
Memory	16 GB	Manufacturing Location	China
SSD	512 GB	Assembly Location	China
Display	16 inch	Use Location	Europe

Total Carbon Footprint (EU Baseline): **202 kg CO₂-eq.** (excl. end of life credits)



Manufacturing breakdown

Manufacturing Total	100%
Mainboard	24%
SSD	33%
RAM	7%
Display (incl. camera)	14%
Battery	6%
Mechanicals (incl. enclosure and keyboard)	6%
Thermal solution	2%
Power Supply Unit	6%
Other (Speaker, LEDs, Logo)	1%
Packaging	1%

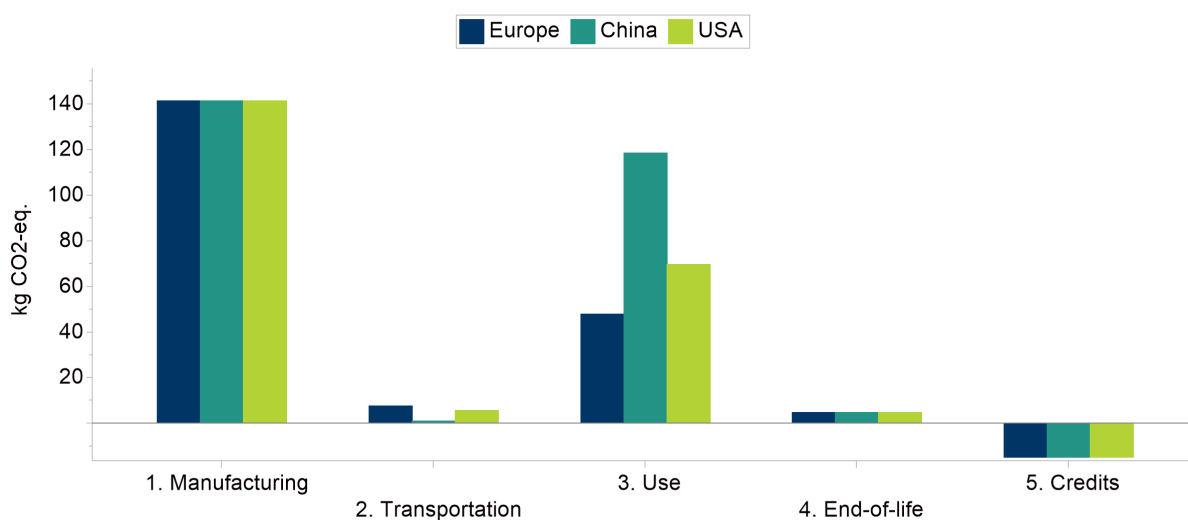
*Rounding can lead to deviations

The selected impact assessment methodology for the life cycle impact assessment (LCIA) is "EF 3.0 Climate Change - total" using the indicator global warming potential 100 (GWP100) measured in CO₂-equivalents. Use stage conditions were calculated using Energy Star data. More information about the Energy Star can be found on the Energy Star website.

Depending on the end of life allocation approach used in a life cycle assessment, credits can be given to a product in its end-of-life stage if the environmental benefits from recycling the material are higher than the burdens of the recovery of the material. The Total Carbon Footprint above excludes end-of-life credits. Therefore, the end-of-life impacts only represent the transportation and disposal of the materials at the end of the product's useful life. An alternative end of life scenario which includes credits is presented below in addition to the assumptions made around material recovery.

Within the ICT industry, product carbon emissions are generally driven by the manufacturing and use lifecycle stages. Total product emissions will vary depending on the country/region of use due to the grid mix used (coal-based, nuclear-based, renewable-based, etc.) to produce the energy needed to operate the system over its lifetime. These location-based grid mixes will yield a different emission factor per kWh of consumption. To demonstrate this sensitivity, the following diagram and table shows different use location scenarios and how they would influence the total product carbon footprint.

Sensitivity Analysis on Use Location of Product (incl. end of life credits)



Note: 5. is negative based on the avoided environmental burdens due to the material recovery in the End-of-life scenario (see further information below).

All values are to be understood as kg CO₂-eq.

	1. Manufacturing	2. Transportation	3. Use	4. End-of-life	5. Credits
Europe	141	8	48	5	-15
China	141	1	119	5	-15
USA	141	6	70	5	-15

For the alternative end-of-life scenario resulting in credits, it is assumed that all components made of steel, aluminum, or plastic are sent for material recycling. This, combined with the collection rate and material composition, results in a 28.8% share of the total weight entering recycling processes. The remaining portion is incinerated to recover released energy.

For material recycling, the LCA model employs a substitution approach. Open scrap inputs from production are subtracted from end-of-life scrap, yielding the net scrap output. This net scrap undergoes material recycling. The burden of the primary material input is allocated between current and subsequent life cycles, using the mass of recovered secondary material to scale the substituted primary material. This credits the substitution, distributing burdens appropriately across different life cycles. This alternative approach was presented to demonstrate how different assumptions can influence the results of the analysis.

These steps, based on industry average inventories, are modeled using a parametric LCA calculator tool that references a range of products representing the majority of manufactured notebooks. The tool combines and modifies individual modules of these products. The analysis acknowledges uncertainties in manufacturing impacts due to technical deviations, such as variations in passive components on various PWBs. The LCA study focuses exclusively on the GWP of the products, noting that a more comprehensive environmental profile analysis requires considering additional impact categories. The LCA models were created using LCA for Experts (LCA FE) 10 software system for life cycle engineering, developed by Sphera®. The Sphera Managed LCA Content (MLC - formerly GaBi) database provides the life cycle inventory data for several of the raw and process materials obtained from the background system. Results shown here are subject to change as the model is updated.