



**DELL Pro Max 18 Plus MB18250 Intel Core Ultra 9 285HX Mobile workstation 45.7 cm (18") Quad HD+ 32 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX PRO 3000 Blackwell Wi-Fi 7 (802.11be) Windows 11 Pro German Black**



**Brand :** DELL

**Product family:** Pro Max

**Product code:** 2MFCX

**Product name :** MB18250

DELL Pro Max 18 Plus MB18250. Product type: Mobile workstation, Form factor: Clamshell. Processor family: Intel Core Ultra 9, Processor model: 285HX. Display diagonal: 45.7 cm (18"), HD type: Quad HD+, Display resolution: 2560 x 1600 pixels. Internal memory: 32 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel® Graphics, Discrete graphics card model: NVIDIA RTX PRO 3000 Blackwell. Operating system installed: Windows 11 Pro. Product colour: Black

| Design                               |                             | Camera                                            |                                    |
|--------------------------------------|-----------------------------|---------------------------------------------------|------------------------------------|
| Colour name                          | Magnetite                   | Privacy type                                      | Privacy shutter                    |
| Product type *                       | Mobile workstation          | <b>Network</b>                                    |                                    |
| Product colour *                     | Black                       | Top Wi-Fi standard *                              | Wi-Fi 7 (802.11be)                 |
| Form factor *                        | Clamshell                   | Mobile network connection *                       | ✗                                  |
| Display                              |                             | Wi-Fi band                                        | Tri-band (2.4 GHz / 5 GHz / 6 GHz) |
| Display diagonal *                   | 45.7 cm (18")               | Wi-Fi data rate (max)                             | 5760 Mbit/s                        |
| Display resolution *                 | 2560 x 1600 pixels          | WLAN controller model                             | Intel Wi-Fi 7 BE200                |
| Touchscreen *                        | ✗                           | WLAN controller manufacturer                      | Intel                              |
| HD type                              | Quad HD+                    | Ethernet LAN                                      | ✓                                  |
| Panel type                           | WVA                         | Ethernet LAN data rates                           | 10,1000,2500,100 Mbit/s            |
| Display technology marketing name    | ComfortView Plus            | Bluetooth                                         | ✓                                  |
| Native aspect ratio                  | 16:10                       | Near Field Communication (NFC)                    | ✓                                  |
| Anti-glare screen                    | ✓                           | WWAN                                              | Upgradable                         |
| Display brightness                   | 500 cd/m²                   | Ports & interfaces                                |                                    |
| Pixel density                        | 168 ppi                     | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2                                  |
| RGB colour space                     | DCI-P3                      | Ethernet LAN (RJ-45) ports                        | 1                                  |
| Colour gamut                         | 100%                        | HDMI ports quantity *                             | 1                                  |
| Display response rise/fall           | 30 ms                       | HDMI version                                      | 2.1                                |
| Maximum refresh rate                 | 120 Hz                      | Thunderbolt 4 ports quantity                      | 1                                  |
| Contrast ratio (typical)             | 1000:1                      | Thunderbolt 5 ports quantity                      | 2                                  |
| Processor                            |                             | Intel® Thunderbolt 4                              | ✓                                  |
| Processor manufacturer *             | Intel                       | Intel® Thunderbolt 5                              | ✓                                  |
| Processor family *                   | Intel Core Ultra 9          | Combo headphone/mic port                          | ✓                                  |
| Processor generation                 | Intel Core Ultra (Series 2) | USB Type-C DisplayPort Alternate Mode             | ✓                                  |
| Processor model *                    | 285HX                       | PowerShare                                        | ✓                                  |
| Processor cores                      | 24                          | Performance                                       |                                    |
| Processor threads                    | 24                          | Ambient light sensor                              | ✓                                  |
| Processor boost frequency            | 5.5 GHz                     | Accelerometer                                     | ✓                                  |
| Performance cores                    | 8                           | Hall sensor                                       | ✓                                  |
| Efficient cores                      | 16                          |                                                   |                                    |
| Performance-core Max Turbo Frequency | 5.5 GHz                     |                                                   |                                    |

| Processor                               |                                                | Keyboard                                   |                                                |
|-----------------------------------------|------------------------------------------------|--------------------------------------------|------------------------------------------------|
| Efficient-core Max Turbo Frequency      | 4.6 GHz                                        | Pointing device                            | Touchpad                                       |
| Performance-core base frequency         | 2.8 GHz                                        | Numeric keypad *                           | ✓                                              |
| Efficient-core base frequency           | 2.1 GHz                                        | Keyboard backlit                           | ✓                                              |
| Processor cache                         | 36 MB                                          | Keyboard language                          | German                                         |
| Processor base power                    | 55 W                                           | Copilot key                                | ✓                                              |
| Maximum turbo power                     | 160 W                                          | Software                                   |                                                |
| Neural processor unit (NPU)             |                                                | 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          | ✓                                              | Brand-specific features                    |                                                |
| AI software frameworks supported by NPU | DirectML, OpenVINO, Windows ML, ONNX RT, WebNN | Brand specific technologies                | Express Charge Boost capable, TNR              |
| Total processor performance up to       | 36 TOPs                                        | Battery                                    |                                                |
| NPU performance up to                   | 13 TOPs                                        | Battery technology                         | Lithium-Ion (Li-Ion)                           |
| GPU performance up to                   | 8 TOPs                                         | Number of battery cells                    | 6                                              |
| Memory                                  |                                                | Battery capacity *                         | 96 Wh                                          |
| Internal memory *                       | 32 GB                                          | Battery voltage                            | 11.7 V                                         |
| Internal memory type                    | DDR5-SDRAM                                     | Battery recharge time                      | 3 h                                            |
| Memory form factor                      | CSoDIMM                                        | Fast charging                              | ✓                                              |
| Memory layout (slots x size)            | 2 x 16 GB                                      | Power                                      |                                                |
| Memory slots                            | 2x CSoDIMM                                     | AC adapter power                           | 280 W                                          |
| Maximum internal memory *               | 64 GB                                          | AC adapter frequency                       | 50/60 Hz                                       |
| Memory channels                         | Dual-channel                                   | AC adapter input voltage                   | 100 - 240 V                                    |
| Memory data transfer rate               | 6400 MT/s                                      | USB Type-C charging port *                 | ✓                                              |
| Non-ECC                                 | ✓                                              | USB Type-C required charging power (min) * | 90 W                                           |
| Storage                                 |                                                | USB Power Delivery (USB PD)                | ✓                                              |
| Total storage capacity *                | 1 TB                                           | Security                                   |                                                |
| Storage media *                         | SSD                                            | Cable lock slot                            | ✓                                              |
| Total SSDs capacity                     | 1 TB                                           | Cable lock slot type                       | Noble                                          |
| Number of SSDs installed                | 1                                              | Fingerprint reader                         | ✓                                              |
| SSD capacity                            | 1 TB                                           | 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                          | ✓                                              |
| Optical drive type *                    | ✗                                              | Operational conditions                     |                                                |
| Card reader integrated                  | ✓                                              | Operating temperature (T-T)                | 0 - 35 °C                                      |
| Compatible memory cards                 | SD, SDHC, SDXC                                 | Storage temperature (T-T)                  | -40 - 65 °C                                    |
| Graphics                                |                                                | Operating relative humidity (H-H)          | 10 - 90%                                       |
| Discrete GPU manufacturer               | NVIDIA                                         | Storage relative humidity (H-H)            | 0 - 95%                                        |
| Discrete graphics card model *          | NVIDIA RTX PRO 3000 Blackwell                  | Operating altitude                         | -15.2 - 3048 m                                 |
| Discrete graphics card memory           | 12 GB                                          | Non-operating altitude                     | -15.2 - 10668 m                                |
| Discrete graphics memory type           | GDDR7                                          | Operating shock                            | 110 G                                          |
| On-board graphics card *                | ✓                                              | Non-operating shock                        | 160 G                                          |
| On-board GPU manufacturer               | Intel                                          | Operating vibration                        | 0.66 G                                         |
| Discrete graphics card *                | ✓                                              | Non-operating vibration                    | 1.3 G                                          |
| On-board graphics card family           | Intel® Graphics                                | Weight & dimensions                        |                                                |
| On-board graphics card model *          | Intel® Graphics                                | Width                                      | 402 mm                                         |
| Audio                                   |                                                | Depth                                      | 279.9 mm                                       |
| Audio chip                              | Cirrus Logic CS42L43                           | Height (front)                             | 1.79 cm                                        |
| Number of built-in speakers             | 2                                              | Height (rear)                              | 1.96 cm                                        |
| Speaker power                           | 2.5 W                                          | Weight *                                   | 3.25 kg                                        |
| Built-in microphone                     | ✓                                              | Carbon footprint                           |                                                |
| Camera                                  |                                                | Total carbon footprint (kg of CO2e)        | 207                                            |
| Front camera                            | ✓                                              |                                            |                                                |
| Front camera resolution (numeric)       | 8.29 MP                                        |                                            |                                                |
| Front camera resolution                 | 1920 x 1080 pixels                             |                                            |                                                |

| Camera                |         | Carbon footprint                             |                      |
|-----------------------|---------|----------------------------------------------|----------------------|
| Front camera HD type  | Full HD | Carbon emissions, manufacturing (kg of CO2e) | 152.559              |
| Video capturing speed | 30 fps  | Carbon emissions, logistics (kg of CO2e)     | 9.315                |
| Infrared (IR) camera  | ✓       | Carbon emissions, energy usage (kg of CO2e)  | 37.26                |
| Privacy camera        | ✓       | Carbon emissions, end-of-life (kg of CO2e)   | 7.866                |
|                       |         | PAIA version                                 | GaBi version 1, 2025 |
|                       |         | Packaging content                            |                      |
|                       |         | AC adapter included *                        | ✓                    |



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### Catalog Object Cloud



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