



## 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 4000 Blackwell Wi-Fi 7 (802.11be) Windows 11 Pro Black

**Brand :** DELL

**Product family:** Pro Max

**Product code:**  
CTO961RP4\_MB18250\_AU

**Product name :** MB18250

- Windows 11 Pro 64-bit
- Intel Core Ultra 9 285HX (36MB Cache)
- 45.7 cm (18") Quad HD+ 2560 x 1600 WVA, NVIDIA RTX PRO 4000 Blackwell (16GB GDDR7)
- 32GB DDR5-SDRAM & 1000GB SSD
- Intel Core Ultra 9 285HX (36MB Cache), 32GB DDR5-SDRAM, 1000GB SSD, 45.7 cm (18") Quad HD+ 2560 x 1600 WVA, Intel Graphics, NVIDIA RTX PRO 4000 Blackwell (16GB GDDR7), LAN, WLAN, Webcam, Windows 11 Pro 64-bit

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 4000 Blackwell Wi-Fi 7 (802.11be) Windows 11 Pro Black:

### Dell's highest performance laptop

Maximize power and productivity with Dell Pro Max 18 Plus, a powerful, modern 18-inch laptop that combines exceptional screen space and performance with scalability and advanced on-device AI.



| Design                               |                             | Audio                                             |                                                                                                           |
|--------------------------------------|-----------------------------|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Colour name                          | Magnetite                   | Number of microphones                             | 2                                                                                                         |
| Product type *                       | Mobile workstation          | Camera                                            |                                                                                                           |
| Product colour *                     | Black                       | Front camera                                      | ✓                                                                                                         |
| Form factor *                        | Clamshell                   | Front camera resolution                           | 1920 x 1080 pixels                                                                                        |
| Display                              |                             | Front camera HD type                              | Full HD                                                                                                   |
| Display diagonal *                   | 45.7 cm (18")               | Video capturing speed                             | 30 fps                                                                                                    |
| Display resolution *                 | 2560 x 1600 pixels          | Privacy camera                                    | ✓                                                                                                         |
| Touchscreen *                        | ✗                           | Privacy type                                      | Privacy shutter                                                                                           |
| HD type                              | Quad HD+                    | Network                                           |                                                                                                           |
| Panel type                           | WVA                         | Top Wi-Fi standard *                              | Wi-Fi 7 (802.11be)                                                                                        |
| Native aspect ratio                  | 16:10                       | 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) |
| Anti-glare screen                    | ✓                           | Mobile network connection *                       | ✗                                                                                                         |
| Display brightness                   | 500 cd/m²                   | Wi-Fi band                                        | Tri-band (2.4 GHz / 5 GHz / 6 GHz)                                                                        |
| Pixel density                        | 168 ppi                     | Wi-Fi data rate (max)                             | 5760 Mbit/s                                                                                               |
| RGB colour space                     | DCI-P3                      | Antenna type                                      | 2x2                                                                                                       |
| Colour gamut                         | 100%                        | WLAN controller model                             | Intel Wi-Fi 7 BE200                                                                                       |
| Low Blue Light technology            | ✓                           | WLAN controller manufacturer                      | Intel                                                                                                     |
| Display response rise/fall           | 30 ms                       | Ethernet LAN                                      | ✓                                                                                                         |
| Maximum refresh rate                 | 120 Hz                      | Ethernet LAN data rates                           | 10,1000,2500,100 Mbit/s                                                                                   |
| Contrast ratio (typical)             | 1000:1                      | Bluetooth                                         | ✓                                                                                                         |
| Processor                            |                             | Ports & interfaces                                |                                                                                                           |
| Processor manufacturer *             | Intel                       | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2                                                                                                         |
| Processor family *                   | Intel Core Ultra 9          | Ethernet LAN (RJ-45) ports                        | 1                                                                                                         |
| Processor generation                 | Intel Core Ultra (Series 2) | HDMI ports quantity *                             | 1                                                                                                         |
| Processor model *                    | 285HX                       | HDMI version                                      | 2.1                                                                                                       |
| Processor cores                      | 24                          | Thunderbolt 4 ports quantity                      | 1                                                                                                         |
| Processor threads                    | 24                          | Thunderbolt 5 ports quantity                      | 2                                                                                                         |
| Processor boost frequency            | 5.5 GHz                     | Intel® Thunderbolt 4                              | ✓                                                                                                         |
| Performance cores                    | 8                           | Intel® Thunderbolt 5                              | ✓                                                                                                         |
| Efficient cores                      | 16                          |                                                   |                                                                                                           |
| Performance-core Max Turbo Frequency | 5.5 GHz                     |                                                   |                                                                                                           |

| Processor                               |                                                | Ports & interfaces                          |                                   |
|-----------------------------------------|------------------------------------------------|---------------------------------------------|-----------------------------------|
| Efficient-core Max Turbo Frequency      | 4.6 GHz                                        | Combo headphone/mic port                    | ✓                                 |
| Performance-core base frequency         | 2.8 GHz                                        | USB Type-C DisplayPort Alternate Mode       | ✓                                 |
| Efficient-core base frequency           | 2.1 GHz                                        | PowerShare                                  | ✓                                 |
| Processor cache                         | 36 MB                                          | Number of USB ports with PowerShare support | 1                                 |
| Processor base power                    | 55 W                                           |                                             |                                   |
| Maximum turbo power                     | 160 W                                          |                                             |                                   |
| Neural processor unit (NPU)             |                                                | Performance                                 |                                   |
| Neural processor unit (NPU)             | Intel AI Boost                                 | Accelerometer                               | ✓                                 |
| Sparsity support                        | ✓                                              | Hall sensor                                 | ✓                                 |
| Windows Studio effects support          | ✓                                              |                                             |                                   |
| AI software frameworks supported by NPU | DirectML, OpenVINO, Windows ML, ONNX RT, WebNN | Keyboard                                    |                                   |
| Total processor performance up to       | 36 TOPs                                        | Pointing device                             | Touchpad                          |
| NPU performance up to                   | 13 TOPs                                        | Numeric keypad *                            | ✓                                 |
| GPU performance up to                   | 8 TOPs                                         |                                             |                                   |
| Memory                                  |                                                | Software                                    |                                   |
| Internal memory *                       | 32 GB                                          | Operating system architecture               | 64-bit                            |
| Internal memory type                    | DDR5-SDRAM                                     | Operating system installed *                | Windows 11 Pro                    |
| Maximum internal memory *               | 64 GB                                          |                                             |                                   |
| Memory channels                         | Dual-channel                                   | Brand-specific features                     |                                   |
| Memory data transfer rate               | 6400 MT/s                                      | Brand specific technologies                 | Express Charge Boost capable, TNR |
| Non-ECC                                 | ✓                                              |                                             |                                   |
| Storage                                 |                                                | Battery                                     |                                   |
| Total storage capacity *                | 1 TB                                           | Battery technology                          | Lithium-Ion (Li-Ion)              |
| Storage media *                         | SSD                                            | Number of battery cells                     | 6                                 |
| Total SSDs capacity                     | 1 TB                                           | Battery capacity *                          | 96 Wh                             |
| Number of SSDs installed                | 1                                              | Battery voltage                             | 11.7 V                            |
| SSD capacity                            | 1 TB                                           | Battery recharge time                       | 3 h                               |
| SSD interface                           | PCI Express 4.0                                | Fast charging                               | ✓                                 |
| NVMe                                    | ✓                                              |                                             |                                   |
| SSD form factor                         | M.2                                            | Power                                       |                                   |
| Optical drive type *                    | ✗                                              | AC adapter frequency                        | 50/60 Hz                          |
| Card reader integrated                  | ✓                                              | AC adapter input voltage                    | 100 - 240 V                       |
| Compatible memory cards                 | SD, SDHC, SDXC                                 | USB Type-C charging port *                  | ✓                                 |
| Graphics                                |                                                | USB Type-C required charging power (min) *  | 90 W                              |
| Discrete GPU manufacturer               | NVIDIA                                         | USB Power Delivery (USB PD)                 | ✓                                 |
| Discrete graphics card model *          | NVIDIA RTX PRO 4000 Blackwell                  |                                             |                                   |
| Discrete graphics card memory           | 16 GB                                          | Security                                    |                                   |
| Discrete graphics memory type           | GDDR7                                          | Cable lock slot                             | ✓                                 |
| On-board graphics card *                | ✓                                              | Cable lock slot type                        | Noble                             |
| On-board GPU manufacturer               | Intel                                          | Trusted Platform Module (TPM)               | ✓                                 |
| Discrete graphics card *                | ✓                                              | Trusted Platform Module (TPM) version       | 2.0                               |
| On-board graphics card family           | Intel® Graphics                                |                                             |                                   |
| On-board graphics card model *          | Intel® Graphics                                |                                             |                                   |
| Audio                                   |                                                | Operational conditions                      |                                   |
| Audio chip                              | Cirrus Logic CS42L43                           | Operating temperature (T-T)                 | 0 - 35 °C                         |
| Number of built-in speakers             | 2                                              | Storage temperature (T-T)                   | -40 - 65 °C                       |
| Speaker power                           | 2.5 W                                          | Operating relative humidity (H-H)           | 10 - 90%                          |
| Built-in microphone                     | ✓                                              | Storage relative humidity (H-H)             | 0 - 95%                           |
|                                         |                                                | Operating altitude                          | -15.2 - 3048 m                    |
|                                         |                                                | Non-operating altitude                      | -15.2 - 10668 m                   |
|                                         |                                                | Operating shock                             | 110 G                             |
|                                         |                                                | Non-operating shock                         | 160 G                             |
|                                         |                                                | Operating vibration                         | 0.66 G                            |
|                                         |                                                | Non-operating vibration                     | 1.3 G                             |
|                                         |                                                | Weight & dimensions                         |                                   |
|                                         |                                                | Width                                       | 402 mm                            |
|                                         |                                                | Depth                                       | 279.9 mm                          |
|                                         |                                                | Height (front)                              | 1.79 cm                           |
|                                         |                                                | Height (rear)                               | 1.96 cm                           |
|                                         |                                                | Weight *                                    | 3.25 kg                           |

#### Packaging content

AC adapter included \*



## Catalog Object Cloud



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