



## DELL Pro Max 16 MC16250 Intel Core Ultra 7 265H Mobile workstation 40.6 cm (16") Full HD+ 16 GB DDR5-SDRAM 512 GB SSD NVIDIA RTX PRO 500 Blackwell Wi-Fi 7 (802.11be) Windows 11 Pro German Black



**Brand :** DELL

**Product family:** Pro

**Product code:** H27KF

**Product name :** MC16250

DELL Pro Max 16 MC16250. Product type: Mobile workstation, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 265H. Display diagonal: 40.6 cm (16"), HD type: Full HD+, Display resolution: 1920 x 1200 pixels. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel Arc 140T, Discrete graphics card model: NVIDIA RTX PRO 500 Blackwell. Operating system installed: Windows 11 Pro. Product colour: Black

| Design                            |                             | Camera                                            |                                                                                                           |
|-----------------------------------|-----------------------------|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Colour name                       | Magnetite                   | Front camera HD type                              | Full HD                                                                                                   |
| Product type *                    | Mobile workstation          | Video capturing speed                             | 30 fps                                                                                                    |
| Product colour *                  | Black                       | Infrared (IR) camera                              | ✓                                                                                                         |
| Form factor *                     | Clamshell                   | Privacy camera                                    | ✓                                                                                                         |
| Market positioning                | Business                    | Privacy type                                      | Privacy shutter                                                                                           |
| Intel® vPro™ Platform Eligibility | ✓                           | <b>Network</b>                                    |                                                                                                           |
| Display                           |                             | Top Wi-Fi standard *                              | Wi-Fi 7 (802.11be)                                                                                        |
| Display diagonal *                | 40.6 cm (16")               | 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) |
| Display resolution *              | 1920 x 1200 pixels          | Mobile network connection *                       | ✗                                                                                                         |
| Touchscreen *                     | ✗                           | Wi-Fi band                                        | Tri-band (2.4 GHz / 5 GHz / 6 GHz)                                                                        |
| HD type                           | Full HD+                    | Antenna type                                      | 2x2                                                                                                       |
| Panel type                        | WVA                         | WLAN controller model                             | Intel Wi-Fi 7 BE201                                                                                       |
| Native aspect ratio               | 16:10                       | WLAN controller manufacturer                      | Intel                                                                                                     |
| Anti-glare screen                 | ✓                           | Ethernet LAN                                      | ✓                                                                                                         |
| Display brightness                | 300 cd/m²                   | Ethernet LAN data rates                           | 10,100,1000 Mbit/s                                                                                        |
| Pixel density                     | 142 ppi                     | Bluetooth                                         | ✓                                                                                                         |
| Display diagonal (metric)         | 40.646 cm                   | WWAN                                              | Upgradable                                                                                                |
| RGB colour space                  | NTSC                        | Ports & interfaces                                |                                                                                                           |
| Colour gamut                      | 45%                         | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2                                                                                                         |
| Maximum refresh rate              | 60 Hz                       | Ethernet LAN (RJ-45) ports                        | 1                                                                                                         |
| Contrast ratio (typical)          | 1000:1                      | HDMI ports quantity *                             | 1                                                                                                         |
| Processor                         |                             | HDMI version                                      | 2.1                                                                                                       |
| Processor manufacturer *          | Intel                       | Thunderbolt 4 ports quantity                      | 2                                                                                                         |
| Processor family *                | Intel Core Ultra 7          | Intel® Thunderbolt 4                              | ✓                                                                                                         |
| Processor generation              | Intel Core Ultra (Series 2) | Combo headphone/mic port                          | ✓                                                                                                         |
| Processor model *                 | 265H                        | USB Type-C DisplayPort Alternate Mode             | ✓                                                                                                         |
| Processor cores                   | 16                          | PowerShare                                        | ✓                                                                                                         |
| Processor threads                 | 16                          | Performance                                       |                                                                                                           |
| Processor boost frequency         | 5.3 GHz                     | Motherboard chipset                               | Intel SoC                                                                                                 |
| Performance cores                 | 6                           |                                                   |                                                                                                           |
| Efficient cores                   | 8                           |                                                   |                                                                                                           |
| Low Power Efficient-cores         | 2                           |                                                   |                                                                                                           |

| Processor                                    |                                                | Performance                                |                                                            |
|----------------------------------------------|------------------------------------------------|--------------------------------------------|------------------------------------------------------------|
| Performance-core Max Turbo Frequency         | 5.3 GHz                                        | Accelerometer                              | ✓                                                          |
| Efficient-core Max Turbo Frequency           | 4.5 GHz                                        | Hall sensor                                | ✓                                                          |
| Low Power Efficient-core Max Turbo Frequency | 2.5 GHz                                        | Keyboard                                   |                                                            |
| Performance-core base frequency              | 2.2 GHz                                        | Pointing device                            | Touchpad                                                   |
| Efficient-core base frequency                | 1.7 GHz                                        | Numeric keypad *                           | ✓                                                          |
| Low Power Efficient-core Base Frequency      | 700 MHz                                        | Keyboard backlit                           | ✓                                                          |
| Processor cache                              | 24 MB                                          | Keyboard language                          | German                                                     |
| Processor base power                         | 28 W                                           | Copilot key                                | ✓                                                          |
| Maximum turbo power                          | 115 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                | Control Vault 3+, HDR Camera, Express Charge Boost capable |
| Total processor performance up to            | 97 TOPs                                        | Battery                                    |                                                            |
| NPU performance up to                        | 13 TOPs                                        | Battery technology                         | Lithium Polymer (LiPo)                                     |
| GPU performance up to                        | 75 TOPs                                        | Number of battery cells                    | 6                                                          |
| Memory                                       |                                                | Battery capacity *                         | 96 Wh                                                      |
| Internal memory *                            | 16 GB                                          | Battery voltage                            | 11.7 V                                                     |
| Internal memory type                         | DDR5-SDRAM                                     | Battery recharge time                      | 3 h                                                        |
| Memory form factor                           | SO-DIMM                                        | Fast charging                              | ✓                                                          |
| Memory layout (slots x size)                 | 2 x 8 GB                                       | Battery weight                             | 351 g                                                      |
| Memory slots                                 | 2x SO-DIMM                                     | Power                                      |                                                            |
| Maximum internal memory *                    | 64 GB                                          | AC adapter power                           | 130 W                                                      |
| Memory channels                              | Dual-channel                                   | AC adapter frequency                       | 50/60 Hz                                                   |
| Memory data transfer rate                    | 5600 MT/s                                      | AC adapter input voltage                   | 100 - 240 V                                                |
| Non-ECC                                      | ✓                                              | USB Type-C charging port *                 | ✓                                                          |
| Storage                                      |                                                | USB Type-C required charging power (min) * | 45 W                                                       |
| Total storage capacity *                     | 512 GB                                         | USB Type-C required charging power (max) * | 130 W                                                      |
| Storage media *                              | SSD                                            | USB Power Delivery (USB PD)                | ✓                                                          |
| Total SSDs capacity                          | 512 GB                                         | USB charging voltage                       | 20,5,9,15 V                                                |
| Number of SSDs installed                     | 1                                              | Security                                   |                                                            |
| SSD capacity                                 | 512 GB                                         | Cable lock slot                            | ✓                                                          |
| SSD interface                                | PCI Express 4.0                                | Cable lock slot type                       | Wedge                                                      |
| NVMe                                         | ✓                                              | Fingerprint reader                         | ✓                                                          |
| SSD form factor                              | M.2                                            | Smart card reader                          | ✓                                                          |
| SSD performance class                        | 35                                             | Trusted Platform Module (TPM)              | ✓                                                          |
| M.2 SSD size                                 | 2230 (22 x 30 mm)                              | Trusted Platform Module (TPM) version      | 2.0                                                        |
| Optical drive type *                         | ✗                                              | Operational conditions                     |                                                            |
| Card reader integrated                       | ✓                                              | Operating temperature (T-T)                | 0 - 35 °C                                                  |
| Compatible memory cards                      | MicroSD (TransFlash), MicroSDHC, MicroSDXC     | 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 500 Blackwell                   | Operating altitude                         | -15.2 - 3048 m                                             |
| Discrete graphics card memory                | 6 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 Arc Graphics                             | Audio                                      |                                                            |
| On-board graphics card model *               | Intel Arc 140T                                 | Audio chip                                 | Realtek ALC3329                                            |

| Audio                             |                    | Sustainability                               |                                          |
|-----------------------------------|--------------------|----------------------------------------------|------------------------------------------|
| Audio system                      | MaxxAudio Pro      | Sustainability certificates                  | ENERGY STAR, EPEAT Climate +, EPEAT Gold |
| Number of built-in speakers       | 2                  | Weight & dimensions                          |                                          |
| Speakers manufacturer             | Waves              | Width                                        | 358 mm                                   |
| Speaker power                     | 2.5 W              | Depth                                        | 256 mm                                   |
| Built-in microphone               | ✓                  | Height (front)                               | 1.51 cm                                  |
| Number of microphones             | 2                  | Height (rear)                                | 1.91 cm                                  |
| Camera                            |                    | Weight *                                     | 2.1 kg                                   |
| Front camera                      | ✓                  | Carbon footprint                             |                                          |
| Front camera resolution (numeric) | 2.07 MP            | Total carbon footprint (kg of CO2e)          | 118                                      |
| Front camera resolution           | 1920 x 1080 pixels | Carbon emissions, manufacturing (kg of CO2e) | 85.196                                   |
|                                   |                    | Carbon emissions, logistics (kg of CO2e)     | 6.136                                    |
|                                   |                    | Carbon emissions, energy usage (kg of CO2e)  | 25.488                                   |
|                                   |                    | Carbon emissions, end-of-life (kg of CO2e)   | 1.3                                      |
|                                   |                    | PAIA version                                 | GaBi version 1, 2024                     |
|                                   |                    | Packaging content                            |                                          |
|                                   |                    | AC adapter included *                        | ✓                                        |
|                                   |                    | Cables included                              | AC                                       |



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### **Catalog Object Cloud**



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