



## DELL Pro Max 14 MC14250 Intel Core Ultra 7 255H Mobile workstation 35.6 cm (14") Full HD+ 16 GB LPDDR5x-SDRAM 512 GB SSD Wi-Fi 7 (802.11be) Windows 11 Pro Black

**Brand :** DELL

**Product family:** Pro

**Product code:**  
BTO111\_MC14250\_EMEA

**Product name :** MC14250

DELL Pro Max 14 MC14250. Product type: Mobile workstation, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 255H. Display diagonal: 35.6 cm (14"), HD type: Full HD+, Display resolution: 1920 x 1200 pixels. Internal memory: 16 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel Arc 140T. Operating system installed: Windows 11 Pro. Product colour: Black. Weight: 1.83 kg



| Design                     |                             | Network                                           |                                                                                                           |
|----------------------------|-----------------------------|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Product type *             | Mobile workstation          | Top Wi-Fi standard *                              | Wi-Fi 7 (802.11be)                                                                                        |
| Product colour *           | Black                       | Wi-Fi standards                                   | 802.11a, Wi-Fi 5 (802.11ac), Wi-Fi 7 (802.11be), 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax) |
| Form factor *              | Clamshell                   |                                                   |                                                                                                           |
| Display                    |                             | Mobile network connection *                       | ✗                                                                                                         |
| Display diagonal *         | 35.6 cm (14")               | Wi-Fi band                                        | Tri-band (2.4 GHz / 5 GHz / 6 GHz)                                                                        |
| Display resolution *       | 1920 x 1200 pixels          | Wi-Fi data rate (max)                             | 5760 Mbit/s                                                                                               |
| Touchscreen *              | ✗                           | WLAN controller model                             | Intel Wi-Fi 7 BE201                                                                                       |
| HD type                    | Full HD+                    | WLAN controller manufacturer                      | Intel                                                                                                     |
| Panel type                 | WVA                         | Ethernet LAN                                      | ✓                                                                                                         |
| LED backlight              | ✓                           | Ethernet LAN data rates                           | 10,100,1000 Mbit/s                                                                                        |
| Native aspect ratio        | 16:10                       | Bluetooth                                         | ✓                                                                                                         |
| Anti-glare screen          | ✓                           | Ports & interfaces                                |                                                                                                           |
| Display brightness         | 300 cd/m <sup>2</sup>       | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2                                                                                                         |
| Pixel pitch                | 0.157 x 0.157 mm            | Ethernet LAN (RJ-45) ports                        | 1                                                                                                         |
| Pixel density              | 162 ppi                     | HDMI ports quantity *                             | 1                                                                                                         |
| RGB colour space           | NTSC                        | HDMI version                                      | 2.1                                                                                                       |
| Colour gamut               | 45%                         | Thunderbolt 4 ports quantity                      | 2                                                                                                         |
| Display response rise/fall | 35 ms                       | Combo headphone/mic port                          | ✓                                                                                                         |
| Maximum refresh rate       | 60 Hz                       | USB Type-C DisplayPort Alternate Mode             | ✓                                                                                                         |
| Contrast ratio (typical)   | 800:1                       | PowerShare                                        | ✓                                                                                                         |
| Processor                  |                             | Performance                                       |                                                                                                           |
| Processor manufacturer *   | Intel                       | Motherboard chipset                               | Intel SoC                                                                                                 |
| Processor family *         | Intel Core Ultra 7          | Accelerometer                                     | ✓                                                                                                         |
| Processor generation       | Intel Core Ultra (Series 2) | Hall sensor                                       | ✓                                                                                                         |
| Processor model *          | 255H                        | Keyboard                                          |                                                                                                           |
| Processor cores            | 16                          | Pointing device                                   | Touchpad                                                                                                  |
| Processor threads          | 16                          | Numeric keypad *                                  | ✗                                                                                                         |
| Processor boost frequency  | 5.1 GHz                     | Keyboard backlight                                | ✓                                                                                                         |
| Performance cores          | 6                           |                                                   |                                                                                                           |
| Efficient cores            | 8                           |                                                   |                                                                                                           |
| Low Power Efficient-cores  | 2                           |                                                   |                                                                                                           |

| Processor                                    |                                                | Software                                   |                                                                                                           |
|----------------------------------------------|------------------------------------------------|--------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Performance-core Max Turbo Frequency         | 5.1 GHz                                        | Operating system architecture              | 64-bit                                                                                                    |
| Efficient-core Max Turbo Frequency           | 4.4 GHz                                        | Trial software                             | McAfee Business Protection 1-year, No Microsoft Office License included (Fed and Premier, Exception Only) |
| Low Power Efficient-core Max Turbo Frequency | 2.5 GHz                                        | Operating system installed *               | Windows 11 Pro                                                                                            |
| Performance-core base frequency              | 2 GHz                                          | Brand-specific features                    |                                                                                                           |
| Efficient-core base frequency                | 1.5 GHz                                        | Brand specific technologies                | Express Charge Boost capable                                                                              |
| Low Power Efficient-core Base Frequency      | 700 MHz                                        | Battery                                    |                                                                                                           |
| Processor cache                              | 24 MB                                          | Battery technology                         | Lithium Polymer (LiPo)                                                                                    |
| Processor base power                         | 28 W                                           | Number of battery cells                    | 4                                                                                                         |
| Maximum turbo power                          | 115 W                                          | Battery capacity *                         | 72 Wh                                                                                                     |
| Neural processor unit (NPU)                  |                                                | Battery voltage                            | 15.6 V                                                                                                    |
| Neural processor unit (NPU)                  | Intel AI Boost                                 | Battery recharge time                      | 3 h                                                                                                       |
| Sparsity support                             | ✓                                              | Fast charging                              | ✓                                                                                                         |
| Windows Studio effects support               | ✓                                              | Battery weight                             | 270 g                                                                                                     |
| AI software frameworks supported by NPU      | DirectML, OpenVINO, Windows ML, ONNX RT, WebNN | Power                                      |                                                                                                           |
| Total processor performance up to            | 96 TOPs                                        | AC adapter power                           | 180 W                                                                                                     |
| NPU performance up to                        | 13 TOPs                                        | AC adapter frequency                       | 50/60 Hz                                                                                                  |
| GPU performance up to                        | 74 TOPs                                        | AC adapter input voltage                   | 100 - 240 V                                                                                               |
| Memory                                       |                                                | USB Type-C charging port *                 | ✓                                                                                                         |
| Internal memory *                            | 16 GB                                          | USB Type-C required charging power (min) * | 45 W                                                                                                      |
| Internal memory type                         | LPDDR5x-SDRAM                                  | USB Type-C required charging power (max) * | 71 W                                                                                                      |
| Maximum internal memory *                    | 64 GB                                          | USB Power Delivery (USB PD)                | ✓                                                                                                         |
| Memory channels                              | Dual-channel                                   | Security                                   |                                                                                                           |
| Memory data transfer rate                    | 7467 MT/s                                      | Cable lock slot                            | ✓                                                                                                         |
| Storage                                      |                                                | Cable lock slot type                       | Wedge                                                                                                     |
| Total storage capacity *                     | 512 GB                                         | Fingerprint reader                         | ✓                                                                                                         |
| Storage media *                              | SSD                                            | Smart card reader                          | ✓                                                                                                         |
| Total SSDs capacity                          | 512 GB                                         | Windows Hello                              | ✓                                                                                                         |
| Number of SSDs installed                     | 1                                              | Trusted Platform Module (TPM)              | ✓                                                                                                         |
| SSD capacity                                 | 512 GB                                         | Trusted Platform Module (TPM) version      | 2.0                                                                                                       |
| SSD interface                                | PCI Express 4.0                                | Operational conditions                     |                                                                                                           |
| NVMe                                         | ✓                                              | Operating temperature (T-T)                | 0 - 35 °C                                                                                                 |
| SSD form factor                              | M.2                                            | Storage temperature (T-T)                  | -40 - 65 °C                                                                                               |
| Optical drive type *                         | ✗                                              | Operating relative humidity (H-H)          | 10 - 90%                                                                                                  |
| Graphics                                     |                                                | Storage relative humidity (H-H)            | 0 - 95%                                                                                                   |
| Discrete graphics card model *               | Not available                                  | Operating altitude                         | -15.2 - 3048 m                                                                                            |
| On-board graphics card *                     | ✓                                              | Non-operating altitude                     | -15.2 - 10668 m                                                                                           |
| On-board GPU manufacturer                    | Intel                                          | Operating shock                            | 110 G                                                                                                     |
| Discrete graphics card *                     | ✗                                              | Non-operating shock                        | 160 G                                                                                                     |
| On-board graphics card family                | Intel Arc Graphics                             | Operating vibration                        | 0.66 G                                                                                                    |
| On-board graphics card model *               | Intel Arc 140T                                 | Non-operating vibration                    | 1.3 G                                                                                                     |
| Audio                                        |                                                | Sustainability                             |                                                                                                           |
| Audio chip                                   | Realtek ALC3329                                | Sustainability certificates                | ENERGY STAR, EPEAT Climate +, EPEAT Gold                                                                  |
| Audio system                                 | MaxxAudio Pro                                  | Weight & dimensions                        |                                                                                                           |
| Number of built-in speakers                  | 2                                              | Width                                      | 313 mm                                                                                                    |
| Speakers manufacturer                        | Waves                                          | Depth                                      | 227.3 mm                                                                                                  |
| Speaker power                                | 2 W                                            | Height (front)                             | 1.48 cm                                                                                                   |
| Built-in microphone                          | ✓                                              | Height (rear)                              | 1.89 cm                                                                                                   |
| Number of microphones                        | 2                                              | Weight *                                   | 1.83 kg                                                                                                   |
| Camera                                       |                                                | Carbon footprint                           |                                                                                                           |
| Front camera                                 | ✓                                              | Total carbon footprint (kg of CO2e)        | 101                                                                                                       |
| Front camera resolution (numeric)            | 2.07 MP                                        |                                            |                                                                                                           |
| Front camera resolution                      | 1920 x 1080 pixels                             |                                            |                                                                                                           |
| Front camera HD type                         | Full HD                                        |                                            |                                                                                                           |

| Camera                |                 | Carbon footprint                             |                      |
|-----------------------|-----------------|----------------------------------------------|----------------------|
| Video capturing speed | 30 fps          | Carbon emissions, manufacturing (kg of CO2e) | 72.619               |
| Infrared (IR) camera  | ✓               | Carbon emissions, logistics (kg of CO2e)     | 5.252                |
| Privacy camera        | ✓               | Carbon emissions, energy usage (kg of CO2e)  | 22.018               |
| Privacy type          | Privacy shutter | Carbon emissions, end-of-life (kg of CO2e)   | 1.01                 |
|                       |                 | PAIA version                                 | GaBi version 1, 2024 |
|                       |                 | Packaging content                            |                      |
|                       |                 | AC adapter included *                        | ✓                    |
|                       |                 | Cables included                              | AC                   |

## Catalog Object Cloud



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