



**DELL Pro 16 PC16250 Intel Core Ultra 7 255U Laptop 40.6 cm (16")  
Full HD+ 16 GB DDR5-SDRAM 512 GB SSD Wi-Fi 6E (802.11ax)  
Windows 11 Pro Platinum, Silver**

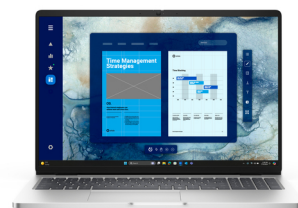
**Brand :** DELL

**Product family:** Pro

**Product code:**  
BTO107\_PC16250\_EMEA

**Product name :** PC16250

DELL Pro 16 PC16250. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 255U. 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® Graphics. Operating system installed: Windows 11 Pro. Product colour: Platinum, Silver. Weight: 1.92 kg



| Design                                       |                                         | Network                                           |                                                                                       |
|----------------------------------------------|-----------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| Colour name                                  | Platinum Silver Color (Metallic Finish) | Top Wi-Fi standard *                              | Wi-Fi 6E (802.11ax)                                                                   |
| Product type *                               | Laptop                                  | Wi-Fi standards                                   | 802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6E (802.11ax) |
| Product colour *                             | Platinum, Silver                        | Mobile network connection *                       | ✗                                                                                     |
| Form factor *                                | Clamshell                               | Wi-Fi band                                        | Tri-band (2.4 GHz / 5 GHz / 6 GHz)                                                    |
| Display                                      |                                         | Wi-Fi data rate (max)                             | 2400 Mbit/s                                                                           |
| Display diagonal *                           | 40.6 cm (16")                           | Antenna type                                      | 2x2                                                                                   |
| Display resolution *                         | 1920 x 1200 pixels                      | WLAN controller model                             | Intel Wi-Fi 6E AX211                                                                  |
| Touchscreen *                                | ✗                                       | WLAN controller manufacturer                      | Intel                                                                                 |
| HD type                                      | Full HD+                                | Ethernet LAN                                      | ✓                                                                                     |
| Panel type                                   | IPS                                     | Ethernet LAN data rates                           | 10,100,1000 Mbit/s                                                                    |
| Native aspect ratio                          | 16:10                                   | Bluetooth                                         | ✓                                                                                     |
| Anti-glare screen                            | ✓                                       | Ports & interfaces                                |                                                                                       |
| Display brightness                           | 300 cd/m²                               | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2                                                                                     |
| Pixel density                                | 141 ppi                                 | USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity   | 1                                                                                     |
| RGB colour space                             | NTSC                                    | Ethernet LAN (RJ-45) ports                        | 1                                                                                     |
| Colour gamut                                 | 45%                                     | HDMI ports quantity *                             | 1                                                                                     |
| Maximum refresh rate                         | 60 Hz                                   | HDMI version                                      | 2.1                                                                                   |
| Contrast ratio (typical)                     | 1000:1                                  | Thunderbolt 4 ports quantity                      | 1                                                                                     |
| Processor                                    |                                         | Intel® Thunderbolt 4                              | ✓                                                                                     |
| Processor manufacturer *                     | Intel                                   | Combo headphone/mic port                          | ✓                                                                                     |
| Processor family *                           | Intel Core Ultra 7                      | Power adapter barrel connector                    | 4.5 mm                                                                                |
| Processor generation                         | Intel Core Ultra (Series 2)             | USB Type-C DisplayPort Alternate Mode             | ✓                                                                                     |
| Processor model *                            | 255U                                    | PowerShare                                        | ✓                                                                                     |
| Processor cores                              | 12                                      | Number of USB ports with PowerShare support       | 1                                                                                     |
| Processor threads                            | 14                                      | Performance                                       |                                                                                       |
| Processor boost frequency                    | 5.2 GHz                                 | Hall sensor                                       | ✓                                                                                     |
| Performance cores                            | 2                                       | Keyboard                                          |                                                                                       |
| Efficient cores                              | 8                                       | Pointing device                                   | Touchpad                                                                              |
| Low Power Efficient-cores                    | 2                                       |                                                   |                                                                                       |
| Performance-core Max Turbo Frequency         | 5.2 GHz                                 |                                                   |                                                                                       |
| Efficient-core Max Turbo Frequency           | 4.2 GHz                                 |                                                   |                                                                                       |
| Low Power Efficient-core Max Turbo Frequency | 2.4 GHz                                 |                                                   |                                                                                       |

| Processor                               |                                         | Keyboard                                     |                                                                                                           |
|-----------------------------------------|-----------------------------------------|----------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Performance-core base frequency         | 2 GHz                                   | Numeric keypad *                             | ✓                                                                                                         |
| Efficient-core base frequency           | 1.7 GHz                                 | Keyboard backlit                             | ✓                                                                                                         |
| Low Power Efficient-core Base Frequency | 700 MHz                                 | Copilot key                                  | ✓                                                                                                         |
| Processor cache                         | 12 MB                                   | Software                                     |                                                                                                           |
| Processor base power                    | 15 W                                    | Operating system architecture                | 64-bit                                                                                                    |
| Maximum turbo power                     | 57 W                                    | Trial software                               | McAfee Business Protection 1-year, No Microsoft Office License included (Fed and Premier, Exception Only) |
| Neural processor unit (NPU)             |                                         | Operating system installed *                 | Windows 11 Pro                                                                                            |
| Neural processor unit (NPU)             | Intel AI Boost                          | Battery                                      |                                                                                                           |
| Sparsity support                        | ✓                                       | Number of battery cells                      | 3                                                                                                         |
| Windows Studio effects support          | ✓                                       | Battery capacity *                           | 55 Wh                                                                                                     |
| AI software frameworks supported by NPU | DirectML, ONNX RT, OpenVINO, Windows ML | Battery recharge time                        | 4 h                                                                                                       |
| NPU performance up to                   | 12 TOPs                                 | Fast charging                                | ✓                                                                                                         |
| Memory                                  |                                         | Power                                        |                                                                                                           |
| Internal memory *                       | 16 GB                                   | AC adapter power                             | 65 W                                                                                                      |
| Internal memory type                    | DDR5-SDRAM                              | AC adapter frequency                         | 50 - 60 Hz                                                                                                |
| Memory form factor                      | SO-DIMM                                 | AC adapter input voltage                     | 100 - 240 V                                                                                               |
| Memory slots                            | 2x SO-DIMM                              | DC-in jack                                   | ✓                                                                                                         |
| Maximum internal memory *               | 64 GB                                   | USB Type-C charging port *                   | ✓                                                                                                         |
| Memory data transfer rate               | 5600 MT/s                               | USB Type-C required charging power (min) *   | 27 W                                                                                                      |
| Storage                                 |                                         | USB Type-C required charging power (max) *   | 65 W                                                                                                      |
| Total storage capacity *                | 512 GB                                  | USB Power Delivery (USB PD)                  | ✓                                                                                                         |
| Storage media *                         | SSD                                     | USB charging voltage                         | 5,9,15,20 V                                                                                               |
| Total SSDs capacity                     | 512 GB                                  | Security                                     |                                                                                                           |
| Number of SSDs installed                | 1                                       | Cable lock slot                              | ✓                                                                                                         |
| SSD capacity                            | 512 GB                                  | Cable lock slot type                         | Wedge                                                                                                     |
| SSD interface                           | PCI Express 4.0                         | Fingerprint reader                           | ✓                                                                                                         |
| NVMe                                    | ✓                                       | Trusted Platform Module (TPM)                | ✓                                                                                                         |
| SSD form factor                         | M.2                                     | Trusted Platform Module (TPM) version        | 2.0                                                                                                       |
| Optical drive type *                    | ✗                                       | Operational conditions                       |                                                                                                           |
| Graphics                                |                                         | Operating temperature (T-T)                  | 0 - 40 °C                                                                                                 |
| Discrete graphics card model *          | Not available                           | Storage temperature (T-T)                    | -40 - 65 °C                                                                                               |
| On-board graphics card *                | ✓                                       | Operating relative humidity (H-H)            | 0 - 90%                                                                                                   |
| On-board GPU manufacturer               | Intel                                   | Storage relative humidity (H-H)              | 0 - 95%                                                                                                   |
| Discrete graphics card *                | ✗                                       | Operating altitude                           | -15.2 - 3048 m                                                                                            |
| On-board graphics card family           | Intel® Graphics                         | Non-operating altitude                       | -15.2 - 10668 m                                                                                           |
| On-board graphics card model *          | Intel® Graphics                         | Operating shock                              | 140 G                                                                                                     |
| Audio                                   |                                         | Operating vibration                          | 0.66 G                                                                                                    |
| Audio chip                              | Realtek ALC3204                         | Weight & dimensions                          |                                                                                                           |
| Audio system                            | MaxxAudio Pro                           | Width                                        | 358 mm                                                                                                    |
| Number of built-in speakers             | 2                                       | Depth                                        | 251.8 mm                                                                                                  |
| Speakers manufacturer                   | Waves                                   | Height (front)                               | 1.89 cm                                                                                                   |
| Speaker power                           | 2.5 W                                   | Height (rear)                                | 2.08 cm                                                                                                   |
| Built-in microphone                     | ✓                                       | Weight *                                     | 1.92 kg                                                                                                   |
| Number of microphones                   | 2                                       | Carbon footprint                             |                                                                                                           |
| Camera                                  |                                         | Total carbon footprint (kg of CO2e)          | 108                                                                                                       |
| Front camera                            | ✓                                       | Carbon emissions, manufacturing (kg of CO2e) | 70.42                                                                                                     |
| Front camera resolution (numeric)       | 2.07 MP                                 | Carbon emissions, logistics (kg of CO2e)     | 6.05                                                                                                      |
| Front camera resolution                 | 1920 x 1080 pixels                      | Carbon emissions, energy usage (kg of CO2e)  | 28.51                                                                                                     |
| Front camera HD type                    | Full HD                                 |                                              |                                                                                                           |
| Video capturing speed                   | 30 fps                                  |                                              |                                                                                                           |
| Infrared (IR) camera                    | ✓                                       |                                              |                                                                                                           |
| Privacy camera                          | ✓                                       |                                              |                                                                                                           |
| Privacy type                            | Privacy shutter                         |                                              |                                                                                                           |

**Carbon footprint**

|                                            |                      |
|--------------------------------------------|----------------------|
| Carbon emissions, end-of-life (kg of CO2e) | 3.02                 |
| PAIA version                               | GaBi version 1, 2024 |

**Packaging content**

|                       |   |
|-----------------------|---|
| AC adapter included * | ✓ |
|-----------------------|---|

## Catalog Object Cloud



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