



## DELL 16 Plus DB16250 Intel Core Ultra 9 288V Laptop 40.6 cm (16") Touchscreen Quad HD+ 32 GB LPDDR5x-SDRAM 1 TB SSD Wi-Fi 7 (802.11be) Windows 11 Pro Blue

**Brand :** DELL

**Product family:** 16 Plus

**Product code:**  
DB16250\_LNL\_208

**Product name :** DB16250

DELL 16 Plus DB16250. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 9, Processor model: 288V. Display diagonal: 40.6 cm (16"), HD type: Quad HD+, Display resolution: 2560 x 1600 pixels, Touchscreen. Internal memory: 32 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel Arc Graphics 140V. Operating system installed: Windows 11 Pro. Product colour: Blue



| Design                              |                             | Camera                                            |                                                                                                           |
|-------------------------------------|-----------------------------|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Colour name                         | Ice Blue                    | Front camera resolution (numeric)                 | 2.07 MP                                                                                                   |
| Product type *                      | Laptop                      | Front camera resolution                           | 1920 x 1080 pixels                                                                                        |
| Product colour *                    | Blue                        | Front camera HD type                              | Full HD                                                                                                   |
| Form factor *                       | Clamshell                   | Video capturing speed                             | 30 fps                                                                                                    |
| Housing material                    | Aluminium, Plastic          | Privacy camera                                    | ✓                                                                                                         |
| Display                             |                             | Privacy type                                      | Privacy shutter                                                                                           |
| Display diagonal *                  | 40.6 cm (16")               | Network                                           |                                                                                                           |
| Display resolution *                | 2560 x 1600 pixels          | Top Wi-Fi standard *                              | Wi-Fi 7 (802.11be)                                                                                        |
| Touchscreen *                       | ✓                           | 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) |
| HD type                             | Quad HD+                    | Mobile network connection *                       | ✗                                                                                                         |
| Panel type                          | WVA                         | Wi-Fi band                                        | Tri-band (2.4 GHz / 5 GHz / 6 GHz)                                                                        |
| Display technology marketing name   | ComfortView Plus            | Wi-Fi data rate (max)                             | 5760 Mbit/s                                                                                               |
| Native aspect ratio                 | 16:10                       | Antenna type                                      | 2x2                                                                                                       |
| Display surface                     | Gloss                       | WLAN controller model                             | Intel Wi-Fi 7 BE201                                                                                       |
| Pixel density                       | 189 ppi                     | WLAN controller manufacturer                      | Intel                                                                                                     |
| RGB colour space                    | DCI-P3                      | Bluetooth                                         | ✓                                                                                                         |
| Colour gamut                        | 100%                        | Ports & interfaces                                |                                                                                                           |
| Maximum refresh rate                | 90 Hz                       | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 1                                                                                                         |
| Contrast ratio (typical)            | 1000:1                      | USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity   | 1                                                                                                         |
| High Dynamic Range (HDR) supported  | ✓                           | HDMI ports quantity *                             | 1                                                                                                         |
| High Dynamic Range (HDR) technology | DisplayHDR 600              | HDMI version                                      | 2.1                                                                                                       |
| Processor                           |                             | Thunderbolt 4 ports quantity                      | 1                                                                                                         |
| Processor manufacturer *            | Intel                       | Intel® Thunderbolt 4                              | ✓                                                                                                         |
| 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 *                   | 288V                        | Keyboard                                          |                                                                                                           |
| Processor cores                     | 8                           | Pointing device                                   | Touchpad                                                                                                  |
| Processor threads                   | 8                           |                                                   |                                                                                                           |
| Processor boost frequency           | 5.1 GHz                     |                                                   |                                                                                                           |
| Performance cores                   | 4                           |                                                   |                                                                                                           |

| Processor                                    |                                                | Keyboard                                     |                                                                    |
|----------------------------------------------|------------------------------------------------|----------------------------------------------|--------------------------------------------------------------------|
| Low Power Efficient-cores                    | 4                                              | Numeric keypad *                             | ✓                                                                  |
| Performance-core Max Turbo Frequency         | 5.1 GHz                                        | Keyboard backlit                             | ✓                                                                  |
| Low Power Efficient-core Max Turbo Frequency | 3.7 GHz                                        | Copilot key                                  | ✓                                                                  |
| Performance-core base frequency              | 3.3 GHz                                        | Software                                     |                                                                    |
| Low Power Efficient-core Base Frequency      | 3300 MHz                                       | Operating system architecture                | 64-bit                                                             |
| Processor cache                              | 12 MB                                          | Trial software                               | McAfee LiveSafe 1Yr,Activate Your Microsoft 365 For A 30 Day Trial |
| Processor cache type                         | Smart Cache                                    | Operating system installed *                 | Windows 11 Pro                                                     |
| Processor base power                         | 30 W                                           | Brand-specific features                      |                                                                    |
| Maximum turbo power                          | 37 W                                           | Brand specific technologies                  | Express Charge Boost capable                                       |
| Neural processor unit (NPU)                  |                                                | Battery                                      |                                                                    |
| Neural processor unit (NPU)                  | Intel AI Boost                                 | Battery technology                           | Lithium-Ion (Li-Ion)                                               |
| Sparsity support                             | ✓                                              | Number of battery cells                      | 4                                                                  |
| Windows Studio effects support               | ✓                                              | Battery capacity *                           | 64 Wh                                                              |
| AI software frameworks supported by NPU      | DirectML, OpenVINO, Windows ML, ONNX RT, WebNN | Battery voltage                              | 15.2 V                                                             |
| Total processor performance up to            | 120 TOPs                                       | Battery recharge time                        | 3 h                                                                |
| NPU performance up to                        | 48 TOPs                                        | Fast charging                                | ✓                                                                  |
| GPU performance up to                        | 67 TOPs                                        | Battery charge indicator                     | ✓                                                                  |
| Memory                                       |                                                | Battery weight                               | 260 g                                                              |
| Internal memory *                            | 32 GB                                          | Power                                        |                                                                    |
| Internal memory type                         | LPDDR5x-SDRAM                                  | AC adapter power                             | 65 W                                                               |
| Memory form factor                           | On-board                                       | AC adapter frequency                         | 50 - 60 Hz                                                         |
| Maximum internal memory *                    | 32 GB                                          | AC adapter input voltage                     | 100 - 240 V                                                        |
| Memory channels                              | Dual-channel                                   | AC adapter output current                    | 1.7 A                                                              |
| Memory data transfer rate                    | 8533 MT/s                                      | USB Type-C charging port *                   | ✓                                                                  |
| Storage                                      |                                                | USB Power Delivery (USB PD)                  | ✓                                                                  |
| Total storage capacity *                     | 1 TB                                           | USB charging voltage                         | 5,9,15,20 V                                                        |
| Storage media *                              | SSD                                            | USB charging current                         | 3.25 A                                                             |
| Total SSDs capacity                          | 1 TB                                           | Security                                     |                                                                    |
| Number of SSDs installed                     | 1                                              | Fingerprint reader                           | ✓                                                                  |
| SSD capacity                                 | 1 TB                                           | Operational conditions                       |                                                                    |
| SSD interface                                | PCI Express 4.0                                | Operating temperature (T-T)                  | 0 - 40 °C                                                          |
| NVMe                                         | ✓                                              | Storage temperature (T-T)                    | -40 - 65 °C                                                        |
| SSD form factor                              | M.2                                            | Operating relative humidity (H-H)            | 0 - 90%                                                            |
| Optical drive type *                         | ✗                                              | Storage relative humidity (H-H)              | 0 - 95%                                                            |
| Graphics                                     |                                                | Operating shock                              | 140 G                                                              |
| Discrete graphics card model *               | Not available                                  | Operating vibration                          | 0.66 G                                                             |
| On-board graphics card *                     | ✓                                              | Weight & dimensions                          |                                                                    |
| On-board GPU manufacturer                    | Intel                                          | Width                                        | 356.8 mm                                                           |
| Discrete graphics card *                     | ✗                                              | Depth                                        | 250.6 mm                                                           |
| On-board graphics card family                | Intel Arc Graphics                             | Height (front)                               | 1.41 cm                                                            |
| On-board graphics card model *               | Intel Arc Graphics 140V                        | Height (rear)                                | 1.56 cm                                                            |
|                                              |                                                | Weight *                                     | 2.05 kg                                                            |
| Audio                                        |                                                | Carbon footprint                             |                                                                    |
| Audio system                                 | MaxxAudio Pro                                  | Total carbon footprint (kg of CO2e)          | 156                                                                |
| Number of built-in speakers                  | 2                                              | Carbon emissions, manufacturing (kg of CO2e) | 120.74                                                             |
| Speakers manufacturer                        | Waves                                          | Carbon emissions, logistics (kg of CO2e)     | 3.9                                                                |
| Speaker power                                | 2.5 W                                          | Carbon emissions, energy usage (kg of CO2e)  | 29.64                                                              |
| Number of microphones                        | 2                                              | Carbon emissions, end-of-life (kg of CO2e)   | 1.72                                                               |
| Camera                                       |                                                | PAIA version                                 | GaBi version 1, 2024                                               |
| Front camera                                 | ✓                                              | Packaging content                            |                                                                    |
|                                              |                                                | AC adapter included *                        | ✓                                                                  |

## Catalog Object Cloud



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