



# DELL Precision 3581 Mobile workstation 39.6 cm (15.6") Full HD Intel® Core™ i7 i7-13700H 16 GB DDR5-SDRAM 512 GB SSD NVIDIA RTX A500 Wi-Fi 6E (802.11ax) Windows 11 Pro Grey

Brand : DELL

Product family: Precision

Product code: JND06

Product name : 3581

- Windows 11 Pro 64-bit
- Intel Core i7-13700H (24MB Cache)
- 39.6 cm (15.6") Full HD 1920 x 1080 IPS, NVIDIA RTX A500 (4GB GDDR6)
- 16GB DDR5-SDRAM (1 x 16) & 512GB SSD

Intel Core i7-13700H (24MB Cache), 16GB DDR5-SDRAM, 512GB SSD, 39.6 cm (15.6") Full HD 1920 x 1080 IPS, Intel Iris Xe Graphics, NVIDIA RTX A500 (4GB GDDR6), LAN, WLAN, Webcam, Windows 11 Pro 64-bit

[DELL Precision 3581 Mobile workstation 39.6 cm \(15.6"\) Full HD Intel® Core™ i7 i7-13700H 16 GB DDR5-SDRAM 512 GB SSD NVIDIA RTX A500 Wi-Fi 6E \(802.11ax\) Windows 11 Pro Grey:](#)

## Great for 2D CAD, Design and Creative Applications

Intelligently optimised and high-performing, the 3581 is a powerful entry-level mobile workstation.



| Design                               |                          | Network   |                      |
|--------------------------------------|--------------------------|---|----------------------|
| Product type *                       | Mobile workstation       | Mobile network connection *                       | ✗                    |
| Product colour *                     | Grey                     | Antenna type                                      | 2x2                  |
| Form factor *                        | Clamshell                | WLAN controller model                             | Intel Wi-Fi 6E AX211 |
| Market positioning                   | Business                 | WLAN controller manufacturer                      | Intel                |
| Display                              |                          | Ethernet LAN                                      | ✓                    |
| Display diagonal *                   | 39.6 cm (15.6")          | Ethernet LAN data rates                           | 10,100,1000 Mbit/s   |
| Display resolution *                 | 1920 x 1080 pixels       | Bluetooth   | ✓                    |
| Touchscreen *                        | ✗                        | Ports & interfaces                                |                      |
| HD type                              | Full HD                  | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2                    |
| Panel type                           | IPS                      | Ethernet LAN (RJ-45) ports                        | 1                    |
| LED backlight                        | ✓                        | HDMI ports quantity *                             | 1                    |
| Native aspect ratio                  | 16:9                     | HDMI version                                      | 2.0                  |
| Anti-glare screen                    | ✓                        | Thunderbolt 4 ports quantity                      | 2                    |
| Display brightness                   | 400 cd/m <sup>2</sup>    | Intel® Thunderbolt 4                              | ✓                    |
| Pixel density                        | 141 ppi                  | Combo headphone/mic port                          | ✓                    |
| RGB colour space                     | sRGB                     | Charging port type                                | USB Type-C           |
| Colour gamut                         | 100%                     | USB Type-C DisplayPort Alternate Mode             | ✓                    |
| Maximum refresh rate                 | 60 Hz                    | USB Power Delivery                                | ✓                    |
| Contrast ratio (typical)             | 800:1                    | PowerShare  | ✓                    |
| Processor                            |                          | Number of USB ports with PowerShare support       | 1                    |
| Processor manufacturer *             | Intel                    | Keyboard  |                      |
| Processor generation                 | 13th gen Intel® Core™ i7 | Pointing device                                   | Touchpad             |
| Processor family *                   | Intel® Core™ i7          | Keyboard language                                 | UK English           |
| Processor model *                    | i7-13700H                | Numeric keypad *                                  | ✓                    |
| Processor boost frequency            | 5 GHz                    | Keyboard backlight                                | ✓                    |
| Efficient-core Max Turbo Frequency   | 3.7 GHz                  | Keyboard number of keys                           | 100                  |
| Performance-core Max Turbo Frequency | 5 GHz                    |   |                      |

|                                   |  |   |   |
|-----------------------------------|--|---|---|
| <b>Processor</b>                  |  | <b>Software</b>                             |   |
| Processor cores                   | 14   | Operating system architecture               | 64-bit  |
| Performance cores                 | 6  | Operating system language                   | German, Dutch, English, French, Italian                         |
| Efficient cores                   | 8  | Trial software                              | No Microsoft Office License Included<br>30 day Trial Offer Only |
| Processor cache                   | 24 MB  | Operating system installed *                | Windows 11 Pro  |
| Processor cache type              | Smart Cache  | <b>Battery</b>                              |   |
| Processor base power              | 45 W   | Battery technology                          | Lithium-Ion (Li-Ion)  |
| Maximum turbo power               | 115 W  | Number of battery cells                     | 4   |
| <b>Memory</b>                     |  | Battery capacity *                          | 64 Wh   |
| Internal memory *                 | 16 GB  | Battery voltage                             | 15.2 V  |
| Internal memory type              | DDR5-SDRAM   | Battery recharge time                       | 3 h   |
| Memory form factor                | SO-DIMM  | Fast charging                               | ✓   |
| Memory layout (slots x size)      | 1 x 16 GB  | Battery weight                              | 280 g   |
| Memory slots                      | 2x SO-DIMM   | <b>Power</b>                                |   |
| Maximum internal memory *         | 64 GB  | AC adapter power                            | 130 W   |
| Memory data transfer rate         | 4800 MT/s  | AC adapter frequency                        | 50/60 Hz  |
| Non-ECC                           | ✓  | AC adapter input voltage                    | 100 - 240 V   |
| <b>Storage</b>                    |  | USB charging voltage                        | 20,5,9,15 V   |
| Total storage capacity *          | 512 GB   | <b>Security</b>                             |   |
| Storage media *                   | SSD  | Cable lock slot                             | ✓   |
| Total SSDs capacity               | 512 GB   | Cable lock slot type                        | Wedge   |
| Number of SSDs installed          | 1  | Smart card reader                           | ✓   |
| SSD capacity                      | 512 GB   | Trusted Platform Module (TPM)               | ✓   |
| SSD interface                     | PCI Express 4.0  | Trusted Platform Module (TPM) version       | 2.0   |
| NVMe                              | ✓  | <b>Operational conditions</b>               |   |
| SSD form factor                   | M.2  | Operating temperature (T-T)                 | 0 - 35 °C   |
| SSD performance class             | 35   | Storage temperature (T-T)                   | -40 - 65 °C   |
| Optical drive type *              | ✗  | Operating relative humidity (H-H)           | 10 - 90%  |
| Card reader integrated            | ✗  | Storage relative humidity (H-H)             | 0 - 95%   |
| <b>Graphics</b>                   |  | Operating altitude                          | -15.2 - 3048 m  |
| Discrete graphics card model *    | NVIDIA RTX A500  | Non-operating altitude                      | -15.2 - 10668 m   |
| On-board graphics card *          | ✓  | Operating shock                             | 110 G   |
| On-board GPU manufacturer         | Intel  | Non-operating shock                         | 160 G   |
| Discrete graphics card *          | ✓  | Operating vibration                         | 0.66 G  |
| On-board graphics card family     | Intel Iris Xe Graphics   | Non-operating vibration                     | 1.3 G   |
| On-board graphics card model *    | Intel Iris Xe Graphics   | <b>Weight &amp; dimensions</b>              |   |
| Discrete graphics card memory     | 4 GB   | Width                                       | 357.8 mm  |
| Discrete graphics memory type     | GDDR6  | Depth                                       | 233.3 mm  |
| <b>Audio</b>                      |  | Height (front)                              | 2.27 cm   |
| Audio system                      | MaxxAudio  | Height (rear)                               | 2.47 cm   |
| Number of built-in speakers       | 2  | Weight *                                    | 1.79 kg   |
| Speakers manufacturer             | Waves  | <b>Carbon footprint</b>                     |   |
| Speaker power                     | 2 W  | Total carbon footprint                      | 343 kg of CO2e  |
| Built-in microphone               | ✓  | Total carbon emissions (Standard deviation) | 70 kg of CO2e   |
| Number of microphones             | 2  | Carbon emissions (Manufacturing)            | 294 kg of CO2e  |
| <b>Camera</b>                     |  | Carbon emissions (Logistics)                | 13 kg of CO2e   |
| Front camera                      | ✓  | Carbon emissions (Use)                      | 34 kg of CO2e   |
| Front camera resolution (numeric) | 2.07 MP  | Carbon emissions (End-of-Life)              | 2 kg of CO2e  |
| Front camera resolution           | 1920 x 1080 pixels   | Total carbon emissions (w/o Use phase)      | 309 kg of CO2e  |
| Front camera HD type              | Full HD  | PAIA version                                | 1.3.2   |
| Video capturing speed             | 30 fps   | <b>Packaging content</b>                    |   |
| Infrared (IR) camera              | ✓  | Cables included                             | AC  |
| Privacy camera                    | ✓  |   |   |
| Privacy type                      | Privacy shutter  |   |   |
| <b>Network</b>                    |  |   |   |
| Top Wi-Fi standard *              | Wi-Fi 6E (802.11ax)  |   |   |
| Wi-Fi standards                   | Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax) |   |   |



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