



# DELL Precision 3580 Intel® Core™ i7 i7-1370P Mobile workstation 39.6 cm (15.6") Full HD 32 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX A500 Wi-Fi 6E (802.11ax) Windows 11 Pro Grey

Brand : DELL

Product family: Precision

Product code: 4HRM7

Product name : 3580

- Windows 11 Pro 64-bit
- Intel Core i7-1370P (24MB Cache)
- 39.6 cm (15.6") Full HD 1920 x 1080 IPS, NVIDIA RTX A500 (4GB GDDR6)
- 32GB DDR5-SDRAM (2 x 16) & 1000GB SSD

Intel Core i7-1370P (24MB Cache), 32GB DDR5-SDRAM, 1000GB 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 3580 Intel® Core™ i7 i7-1370P Mobile workstation 39.6 cm \(15.6"\) Full HD 32 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX A500 Wi-Fi 6E \(802.11ax\) Windows 11 Pro Grey:](#)

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

With intelligently optimized performance, the 3580 is a reliable workstation for entry-level design and creative applications.



| Design                            |                          | Network   |   |
|-----------------------------------|--------------------------|---|---|
| Product type *                    | Mobile workstation       | Wi-Fi standards                                   | 802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax) |
| Product colour *                  | Grey                     | Mobile network connection *                       | ✗   |
| Form factor *                     | Clamshell                | Wi-Fi data rate (max)                             | 2400 Mbit/s   |
| Intel® vPro™ Platform Eligibility | ✓                        | Antenna type                                      | 2x2   |
| Display                           |                          | WLAN controller model                             | Intel Wi-Fi 6E AX211  |
| Display diagonal *                | 39.6 cm (15.6")          | WLAN controller manufacturer                      | Intel   |
| Display resolution *              | 1920 x 1080 pixels       | Ethernet LAN                                      | ✓   |
| Touchscreen *                     | ✗                        | Ethernet LAN data rates                           | 10,100,1000 Mbit/s  |
| HD type                           | Full HD                  | Bluetooth   | ✓   |
| Panel type                        | IPS                      | WWAN  | Upgradable  |
| LED backlight                     | ✓                        | MIMO  | ✓   |
| Native aspect ratio               | 16:9                     | MIMO type   | Multi User MIMO   |
| Anti-glare screen                 | ✓                        | Ports & interfaces                                |   |
| Display brightness                | 400 cd/m <sup>2</sup>    | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2   |
| Pixel pitch                       | 0.179 x 0.179 mm         | Ethernet LAN (RJ-45) ports                        | 1   |
| Pixel density                     | 141 ppi                  | HDMI ports quantity *                             | 1   |
| RGB colour space                  | sRGB                     | HDMI version                                      | 2.0   |
| Colour gamut                      | 100%                     | Thunderbolt 4 ports quantity                      | 2   |
| Display response rise/fall        | 35 ms                    | Intel® Thunderbolt 4                              | ✓   |
| Maximum refresh rate              | 60 Hz                    | Combo headphone/mic port                          | ✓   |
| Contrast ratio (typical)          | 800:1                    | Charging port type                                | USB Type-C  |
| Processor                         |                          | USB Type-C DisplayPort Alternate Mode             | ✓   |
| Processor manufacturer *          | Intel                    | USB Power Delivery                                | ✓   |
| Processor family *                | Intel® Core™ i7          | PowerShare  | ✓   |
| Processor generation              | 13th gen Intel® Core™ i7 | Number of USB ports with PowerShare support       | 1   |
| Processor model *                 | i7-1370P                 |   |   |
| Processor cores                   | 14                       |   |   |
| Processor threads                 | 20                       |   |   |

|                                      |  |   |   |
|--------------------------------------|--|---|---|
| <b>Processor</b>                     |  | <b>Keyboard</b>                             |   |
| Processor boost frequency            | 5.2 GHz                                    | Pointing device                             | Touchpad  |
| Performance cores                    | 6  | Keyboard language                           | UK English  |
| Efficient cores                      | 8  | Numeric keypad *                            | ✓   |
| Performance-core Max Turbo Frequency | 5.2 GHz                                    | Keyboard backlit                            | ✓   |
| Efficient-core Max Turbo Frequency   | 3.9 GHz                                    | Keyboard number of keys                     | 100   |
| Processor cache                      | 24 MB                                      | <b>Software</b>                             |   |
| Processor cache type                 | Smart Cache                                | Operating system architecture               | 64-bit  |
| Processor base power                 | 28 W                                       | Operating system language                   | German, Dutch, English, French, Italian                         |
| Maximum turbo power                  | 64 W                                       | Trial software                              | No Microsoft Office License Included<br>30 day Trial Offer Only |
| <b>Memory</b>                        |  | Operating system installed *                | Windows 11 Pro  |
| Internal memory *                    | 32 GB                                      | Bundled software                            | Windows System Driver   |
| Internal memory type                 | DDR5-SDRAM                                 | <b>Battery</b>                              |   |
| Memory form factor                   | SO-DIMM                                    | Battery technology                          | Lithium-Ion (Li-Ion)  |
| Memory layout (slots x size)         | 2 x 16 GB                                  | Number of battery cells                     | 3   |
| Memory slots                         | 2x SO-DIMM                                 | Battery capacity *                          | 54 Wh   |
| Maximum internal memory *            | 64 GB                                      | Battery voltage                             | 11.4 V  |
| Memory data transfer rate            | 5200 MT/s                                  | Battery recharge time                       | 3 h   |
| Non-ECC                              | ✓  | Battery weight                              | 220 g   |
| <b>Storage</b>                       |  | <b>Power</b>                                |   |
| Total storage capacity *             | 1 TB                                       | AC adapter power                            | 130 W   |
| Storage media *                      | SSD  | AC adapter frequency                        | 50/60 Hz  |
| Total SSDs capacity                  | 1 TB                                       | AC adapter input voltage                    | 100 - 240 V   |
| Number of SSDs installed             | 1  | USB charging voltage                        | 20,5 V  |
| SSD capacity                         | 1 TB                                       | USB charging current                        | 6.5 A   |
| SSD interface                        | PCI Express 4.0                            | <b>Security</b>                             |   |
| NVMe                                 | ✓  | Cable lock slot                             | ✓   |
| SSD form factor                      | M.2  | Cable lock slot type                        | Wedge   |
| SSD performance class                | 35   | Smart card reader                           | ✓   |
| Optical drive type *                 | ✗  | Trusted Platform Module (TPM)               | ✓   |
| Card reader integrated               | ✓  | Trusted Platform Module (TPM) version       | 2.0   |
| Compatible memory cards              | MicroSD (TransFlash), MicroSDHC, MicroSDXC | <b>Operational conditions</b>               |   |
| <b>Graphics</b>                      |  | Operating temperature (T-T)                 | 0 - 35 °C   |
| Discrete GPU manufacturer            | NVIDIA                                     | Storage temperature (T-T)                   | -40 - 65 °C   |
| Discrete graphics card model *       | NVIDIA RTX A500                            | Operating relative humidity (H-H)           | 10 - 90%  |
| Discrete graphics card memory        | 4 GB                                       | Storage relative humidity (H-H)             | 0 - 95%   |
| Discrete graphics memory type        | GDDR6                                      | 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 Iris Xe Graphics                     | Operating vibration                         | 0.66 G  |
| On-board graphics card model *       | Intel Iris Xe Graphics                     | Non-operating vibration                     | 1.3 G   |
| <b>Audio</b>                         |  | <b>Weight &amp; dimensions</b>              |   |
| Audio system                         | MaxxAudio                                  | Width                                       | 357.8 mm  |
| Number of built-in speakers          | 2  | Depth                                       | 233.3 mm  |
| Speakers manufacturer                | Waves                                      | Height (front)                              | 2.08 cm   |
| Speaker power                        | 2 W  | Height (rear)                               | 2.28 cm   |
| Built-in microphone                  | ✓  | Weight *                                    | 1.61 kg   |
| Number of microphones                | 2  | <b>Carbon footprint</b>                     |   |
| <b>Camera</b>                        |  | Total carbon footprint                      | 327 kg of CO2e  |
| Front camera                         | ✓  | Total carbon emissions (Standard deviation) | 68 kg of CO2e   |
| Front camera resolution (numeric)    | 2.07 MP                                    | Carbon emissions (Manufacturing)            | 277 kg of CO2e  |
| Front camera resolution              | 1920 x 1080 pixels                         | Carbon emissions (Logistics)                | 12 kg of CO2e   |
| Front camera HD type                 | Full HD                                    | Carbon emissions (Use)                      | 36 kg of CO2e   |
| Video capturing speed                | 30 fps                                     | Carbon emissions (End-of-Life)              | 2 kg of CO2e  |
| Infrared (IR) camera                 | ✓  |   |   |
| Privacy camera                       | ✓  |   |   |
| Privacy type                         | Privacy shutter                            |   |   |

| Network              |                     | Carbon footprint                       |                |
|----------------------|---------------------|--|----------------|
| Top Wi-Fi standard * | Wi-Fi 6E (802.11ax) | Total carbon emissions (w/o Use phase) | 291 kg of CO2e |
|                      |                     | PAIA version                           | 1.3.2          |



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