



DELL Precision 5680 i7-13700H Mobile workstation 40.6 cm (16") Full HD+ Intel® Core™ i7 32 GB LPDDR5-SDRAM 1 TB SSD NVIDIA RTX 3500 Wi-Fi 6E (802.11ax) Windows 11 Pro Grey

Brand : DELL

Product family: Precision

Product code: DWYK5

Product name : 5680



- Windows 11 Pro 64-bit
 - Intel Core i7-13700H (24MB Cache)
 - 40.6 cm (16") Full HD+ 1920 x 1200 WLED, NVIDIA RTX 3500 (12GB GDDR6)
 - 32GB (6000MHz) LPDDR5-SDRAM & 1000GB SSD
- Intel Core i7-13700H (24MB Cache), 32GB LPDDR5-SDRAM, 1000GB SSD, 40.6 cm (16") Full HD+ 1920 x 1200 WLED, Intel Iris Xe Graphics, NVIDIA RTX 3500 (12GB GDDR6), WLAN, Webcam, Windows 11 Pro 64-bit

[DELL Precision 5680 i7-13700H Mobile workstation 40.6 cm \(16"\) Full HD+ Intel® Core™ i7 32 GB LPDDR5-SDRAM 1 TB SSD NVIDIA RTX 3500 Wi-Fi 6E \(802.11ax\) Windows 11 Pro Grey:](#)

16-inch premium workstation for users who want high performance and a large display in a thin & light chassis. Featuring FHD-IR camera, haptics trackpad, and 4 'Grade A' speakers.



| Design | | Network | |
|----------------------------------|--------------------------|---|---|
| Colour name | Titan Gray | Top Wi-Fi standard * | Wi-Fi 6E (802.11ax) |
| 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 |
| Housing material | Aluminium | Antenna type | 2x2 |
| Market positioning | Business | WLAN controller model | Intel Wi-Fi 6E AX211 |
| Display | | WLAN controller manufacturer | Intel |
| Display diagonal * | 40.6 cm (16") | Ethernet LAN | ✗ |
| Display resolution * | 1920 x 1200 pixels | Bluetooth | ✓ |
| Touchscreen * | ✗ | Ports & interfaces | |
| HD type | Full HD+ | USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity | 1 |
| Panel type | WLED | HDMI ports quantity * | 1 |
| LED backlight | ✓ | HDMI version | 2.0b |
| Native aspect ratio | 16:10 | Thunderbolt 4 ports quantity | 2 |
| Anti-glare screen | ✓ | Intel® Thunderbolt 4 | ✓ |
| Display brightness | 500 cd/m ² | Combo headphone/mic port | ✓ |
| Pixel density | 142 ppi | Charging port type | USB Type-C |
| RGB colour space | DCI-P3 | USB Type-C DisplayPort Alternate Mode | ✓ |
| Colour gamut | 100% | Performance | |
| Maximum refresh rate | 60 Hz | Accelerometer | ✓ |
| Contrast ratio (typical) | 1300:1 | Keyboard | |
| Processor | | Pointing device | Trackpad |
| Processor manufacturer * | Intel | Keyboard language | UK English |
| Processor generation | 13th gen Intel® Core™ i7 | Numeric keypad * | ✗ |
| Processor model * | i7-13700H | Keyboard backlit | ✓ |
| Processor family * | Intel® Core™ i7 | | |
| Performance-core boost frequency | 5 GHz | | |
| Processor boost frequency | 5 GHz | | |

| | | | |
|-----------------------------------|---|--|---|
| Processor | | Keyboard | |
| Efficient-core boost frequency | 3.7 GHz | Keyboard number of keys | 80 |
| Processor cores | 14 | Software | |
| Processor cache | 24 MB | Operating system architecture | 64-bit |
| Processor cache type | Smart Cache | Operating system language | Multilingual |
| Configurable TDP-down | 35 W | Trial software | No Microsoft Office License Included 30 day Trial Offer Only |
| Memory | | Operating system installed * | Windows 11 Pro |
| Internal memory * | 32 GB | Processor special features | |
| Internal memory type | LPDDR5-SDRAM | CPU configuration (max) | 1 |
| Memory clock speed | 6000 MHz | Battery | |
| Memory form factor | On-board | Battery technology | Lithium-Ion (Li-Ion) |
| Maximum internal memory * | 32 GB | Number of battery cells | 6 |
| Storage | | Battery capacity * | 99.5 Wh |
| Total storage capacity * | 1 TB | Battery voltage | 11.55 V |
| Storage media * | SSD | Battery recharge time | 3 h |
| Total SSDs capacity | 1 TB | Fast charging | ✓ |
| Number of SSDs installed | 1 | Battery weight | 363 g |
| SSD capacity | 1 TB | Power | |
| SSD interface | PCI Express 4.0 | AC adapter power | 165 W |
| NVMe | ✓ | AC adapter frequency | 50/60 Hz |
| SSD form factor | M.2 | AC adapter input voltage | 100 - 240 V |
| SSD performance class | 40 | USB charging voltage | 20,5,9,15 V |
| Optical drive type * | ✗ | Security | |
| Card reader integrated | ✓ | Cable lock slot | ✓ |
| Compatible memory cards | MicroSD (TransFlash), MicroSDHC, MicroSDXC | Cable lock slot type | Wedge |
| Graphics | | Trusted Platform Module (TPM) | ✓ |
| Discrete graphics card model * | NVIDIA RTX 3500 | Trusted Platform Module (TPM) version | 2.0 |
| On-board graphics card * | ✓ | Operational conditions | |
| Discrete graphics card * | ✓ | Operating temperature (T-T) | 0 - 35 °C |
| On-board graphics card model * | Intel Iris Xe Graphics | Storage temperature (T-T) | -40 - 65 °C |
| Discrete graphics card memory | 12 GB | Operating relative humidity (H-H) | 10 - 90% |
| Discrete graphics memory type | GDDR6 | Storage relative humidity (H-H) | 0 - 95% |
| Audio | | Operating altitude | -15.2 - 3048 m |
| Audio chip | Realtek ALC711-VD | Non-operating altitude | -15.2 - 10668 m |
| Number of built-in speakers | 4 | Operating shock | 110 G |
| Speaker power | 8 W | Non-operating shock | 160 G |
| Built-in microphone | ✓ | Operating vibration | 0.66 G |
| Number of microphones | 2 | Non-operating vibration | 1.3 G |
| Camera | | Sustainability | |
| Front camera | ✓ | Sustainability certificates | ENERGY STAR, EPEAT Gold |
| Front camera resolution (numeric) | 0.9 MP | Weight & dimensions | |
| Front camera resolution | 1920 x 1080 pixels | Width | 353.7 mm |
| Front camera HD type | Full HD | Depth | 240.3 mm |
| Video capturing speed | 30 fps | Height (front) | 2.62 cm |
| Infrared (IR) camera | ✓ | Height (rear) | 2.62 cm |
| | | Weight * | 1.91 kg |
| | | Packaging content | |
| | | Cables included | AC |



5397184826607

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.