



DELL Precision 3591 Intel Core Ultra 7 165H Mobiilityöasema 39,6 cm (15.6") Full HD 32 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX 2000 Ada Wi-Fi 6E (802.11ax) Windows 11 Pro Harmaa

Tuotemerkki : DELL

Tuoteperhe: Precision

Tuotekoodi: XPVR4

Tuotteen nimi : 3591

DELL Precision 3591. Tuotetyyppi: Mobiilityöasema, Kotelo: Simpukka. Suoritinperhe: Intel Core Ultra 7, Prosessorimalli: 165H. Näytön halkaisija: 39,6 cm (15.6"), HD-tyyppi: Full HD, Näytön erottelutarkkuus: 1920 x 1080 pikseliä. Sisäinen muisti: 32 GB, Sisäisen muistin tyyppi: DDR5-SDRAM.

Kokonaistallennuskapasiteetti: 1 TB, Tallennusmedia: SSD. Sisältyvän näytönohjaimen malli: Intel Arc Graphics, Erillisen näytönohjaimen malli: NVIDIA RTX 2000 Ada. Käyttöjärjestelmä asennettu: Windows 11 Pro. Tuotteen väri: Harmaa



| Design | | Camera | |
|---------------------------|-------------------------------|---|--|
| Product type * | Mobile workstation | Privacy camera | ✓ |
| Product colour * | Grey | Privacy type | Privacy shutter |
| Form factor * | Clamshell | Network | |
| Market positioning | Business | Top Wi-Fi standard * | Wi-Fi 6E (802.11ax) |
| Display | | Wi-Fi standards | Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax) |
| Display diagonal * | 39.6 cm (15.6") | Mobile network connection * | ✗ |
| Display resolution * | 1920 x 1080 pixels | Wi-Fi data rate (max) | 2400 Mbit/s |
| Touchscreen * | ✗ | Antenna type | 2x2 |
| HD type | Full HD | WLAN controller model | Intel Wi-Fi 6E AX211 |
| Panel type | IPS | WLAN controller manufacturer | Intel |
| LED backlight | ✓ | Ethernet LAN | ✓ |
| Native aspect ratio | 16:9 | Ethernet LAN data rates | 10,100,1000 Mbit/s |
| Anti-glare screen | ✓ | Bluetooth | ✓ |
| Display brightness | 400 cd/m ² | WWAN | Upgradable |
| Pixel density | 141 ppi | MIMO | ✓ |
| RGB colour space | sRGB | MIMO type | Multi User MIMO |
| Colour gamut | 100% | Ports & interfaces | |
| Maximum refresh rate | 60 Hz | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2 |
| Contrast ratio (typical) | 800:1 | Ethernet LAN (RJ-45) ports | 1 |
| Processor | | HDMI ports quantity * | 1 |
| Processor manufacturer * | Intel | HDMI version | 2.1 |
| Processor family * | Intel Core Ultra 7 | Thunderbolt 4 ports quantity | 2 |
| Processor generation | Intel® Core™ Ultra (Series 1) | Intel® Thunderbolt 4 | ✓ |
| Processor model * | 165H | Combo headphone/mic port | ✓ |
| Processor cores | 16 | | |
| Processor threads | 22 | | |
| Processor boost frequency | 5 GHz | | |
| Performance cores | 6 | | |

| | | | |
|--|--|---|--|
| Processor | | Ports & interfaces | |
| Efficient cores | 8 | USB Type-C DisplayPort Alternate Mode | ✓ |
| Low Power Efficient-cores | 2 | PowerShare | ✓ |
| Performance-core Max Turbo Frequency | 5 GHz | Number of USB ports with PowerShare support | 1 |
| Efficient-core Max Turbo Frequency | 3.8 GHz | Keyboard | |
| Low Power Efficient-core Max Turbo Frequency | 2.5 GHz | Pointing device | Touchpad |
| Performance-core base frequency | 1.4 GHz | Keyboard language | Nordic |
| Efficient-core base frequency | 0.9 GHz | Numeric keypad * | ✓ |
| Low Power Efficient-core Base Frequency | 700 MHz | Keyboard backlit | ✓ |
| Processor cache | 24 MB | Keyboard number of keys | 100 |
| Processor cache type | Smart Cache | Software | |
| Processor base power | 28 W | Operating system architecture | 64-bit |
| Maximum turbo power | 115 W | Operating system language | Danish, English, Finnish, Norwegian, Swedish |
| Neural processor unit (NPU) | | Trial software | No Microsoft Office Licence Included - 30 day Trial Offer Only |
| Neural processor unit (NPU) | Intel AI Boost | Operating system installed * | Windows 11 Pro |
| Maximum frequency NPU | 1.4 GHz | Battery | |
| Sparsity support | ✓ | Number of battery cells | 4 |
| Windows Studio effects support | ✓ | Battery capacity * | 64 Wh |
| AI datatype support on NPU | FP16, FP32, Int8 | Battery voltage | 15.2 V |
| AI software frameworks supported by NPU | DirectML, ONNX RT, OpenVINO, Windows ML | Battery recharge time | 3 h |
| Memory | | Fast charging | ✓ |
| Internal memory * | 32 GB | Battery charge indicator | ✓ |
| Internal memory type | DDR5-SDRAM | Battery weight | 280 g |
| Memory form factor | SO-DIMM | Power | |
| Memory layout (slots x size) | 1 x 32 GB | AC adapter power | 130 W |
| Memory slots | 2x SO-DIMM | AC adapter frequency | 50 - 60 Hz |
| Maximum internal memory * | 64 GB | AC adapter input voltage | 100 - 240 V |
| Memory data transfer rate | 5600 MT/s | USB Type-C charging port * | ✓ |
| Non-ECC | ✓ | USB Power Delivery (USB PD) * | ✓ |
| Storage | | USB charging voltage | 5,20 V |
| Total storage capacity * | 1 TB | Security | |
| Storage media * | SSD | Cable lock slot | ✓ |
| Total SSDs capacity | 1 TB | Cable lock slot type | Wedge |
| Number of SSDs installed | 1 | Smart card reader | ✓ |
| SSD capacity | 1 TB | Trusted Platform Module (TPM) | ✓ |
| SSD interface | PCI Express 4.0 | Trusted Platform Module (TPM) version | 2.0 |
| NVMe | ✓ | Operational conditions | |
| SSD form factor | M.2 | Operating temperature (T-T) | 0 - 35 °C |
| SSD performance class | 40 | Storage temperature (T-T) | -40 - 65 °C |
| M.2 SSD size | 2280 (22 x 80 mm) | Operating relative humidity (H-H) | 10 - 90% |
| Optical drive type * | ✗ | Storage relative humidity (H-H) | 0 - 95% |
| Card reader integrated | ✓ | Operating altitude | -15.2 - 3048 m |
| Compatible memory cards | MicroSD (TransFlash), MicroSDHC, MicroSDXC | Non-operating altitude | -15.2 - 10668 m |
| Graphics | | Operating shock | 110 G |
| Discrete graphics card model * | NVIDIA RTX 2000 Ada | Non-operating shock | 160 G |
| Discrete graphics card memory | 8 GB | Operating vibration | 0.66 G |
| Discrete graphics memory type | GDDR6 | Non-operating vibration | 1.3 G |
| On-board graphics card * | ✓ | Sustainability | |
| On-board GPU manufacturer | Intel | Sustainability compliance | ✓ |
| Discrete graphics card * | ✓ | Sustainability certificates | ENERGY STAR, TCO |
| On-board graphics card family | Intel Arc Graphics | Weight & dimensions | |
| On-board graphics card model * | Intel Arc Graphics | Width | 357.8 mm |
| Audio | | | |
| Number of built-in speakers | 2 | | |

| Audio | | Weight & dimensions | |
|-----------------------------------|--------------------|--|----------------------|
| Speakers manufacturer | Waves | Depth | 233.3 mm |
| Speaker power | 2 W | Height (front) | 2.27 cm |
| Built-in microphone | ✓ | Height (rear) | 2.47 cm |
| Number of microphones | 2 | Weight * | 1.79 kg |
| Camera | | Carbon footprint | |
| Front camera | ✓ | Total carbon footprint (kg of CO2e) | 120 |
| Front camera resolution (numeric) | 2.07 MP | Carbon emissions, manufacturing (kg of CO2e) | 84 |
| Front camera resolution | 1920 x 1080 pixels | Carbon emissions, logistics (kg of CO2e) | 5 |
| Front camera HD type | Full HD | Carbon emissions, energy usage (kg of CO2e) | 31 |
| Video capturing speed | 30 fps | Carbon emissions, end-of-life (kg of CO2e) | 1 |
| | | Total carbon emissions, w/o use phase (kg of CO2e) | 89 |
| | | PAIA version | GaBi version 1, 2024 |
| | | Packaging content | |
| | | Cables included | AC |



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