



DELL Precision 3591 Intel Core Ultra 7 155H Mobile workstation 39.6 cm (15.6") Full HD 16 GB DDR5-SDRAM 512 GB SSD NVIDIA RTX 500 Ada Wi-Fi 6E (802.11ax) Windows 11 Pro Grey

Brand : DELL

Product family: Precision

Product code: P63K7

Product name : 3591

DELL Precision 3591. Product type: Mobile workstation, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 155H. Display diagonal: 39.6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel Arc Graphics, Discrete graphics card model: NVIDIA RTX 500 Ada. Operating system installed: Windows 11 Pro. Product colour: Grey



| Design | | Camera | |
|-----------------------------------|-------------------------------|---|--|
| Product type * | Mobile workstation | Video capturing speed | 30 fps |
| Product colour * | Grey | Privacy camera | ✓ |
| Form factor * | Clamshell | Privacy type | Privacy shutter |
| Market positioning | Business | Network | |
| Intel® vPro™ Platform Eligibility | ✓ | 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 * | 155H | Combo headphone/mic port | ✓ |
| Processor cores | 16 | | |
| Processor threads | 22 | | |

| | | | |
|--|--|---|--|
| Processor | | Ports & interfaces | |
| Processor boost frequency | 4.8 GHz | USB Type-C DisplayPort Alternate Mode | ✓ |
| Performance cores | 6 | PowerShare | ✓ |
| Efficient cores | 8 | Number of USB ports with PowerShare support | 1 |
| Low Power Efficient-cores | 2 | Keyboard | |
| Performance-core Max Turbo Frequency | 4.8 GHz | Pointing device | Touchpad |
| Efficient-core Max Turbo Frequency | 3.8 GHz | Keyboard language | Nordic |
| Low Power Efficient-core Max Turbo Frequency | 2.5 GHz | Numeric keypad * | ✓ |
| Performance-core base frequency | 1.4 GHz | Keyboard backlit | ✓ |
| Efficient-core base frequency | 0.9 GHz | Keyboard number of keys | 100 |
| Low Power Efficient-core Base Frequency | 700 MHz | Software | |
| Processor cache | 24 MB | Operating system architecture | 64-bit |
| Processor cache type | Smart Cache | Operating system language | Danish, English, Finnish, Norwegian, Swedish |
| Processor base power | 28 W | Trial software | No Microsoft Office Licence Included - 30 day Trial Offer Only |
| Maximum turbo power | 115 W | Operating system installed * | Windows 11 Pro |
| Neural processor unit (NPU) | | Battery | |
| Neural processor unit (NPU) | Intel AI Boost | Number of battery cells | 4 |
| Maximum frequency NPU | 1.4 GHz | Battery capacity * | 64 Wh |
| Sparsity support | ✓ | Battery voltage | 15.2 V |
| Windows Studio effects support | ✓ | Battery recharge time | 3 h |
| AI datatype support on NPU | FP16, FP32, Int8 | Fast charging | ✓ |
| AI software frameworks supported by NPU | DirectML, ONNX RT, OpenVINO, Windows ML | Battery charge indicator | ✓ |
| Memory | | Battery weight | 280 g |
| Internal memory * | 16 GB | Power | |
| Internal memory type | DDR5-SDRAM | AC adapter power | 130 W |
| Memory form factor | SO-DIMM | AC adapter frequency | 50 - 60 Hz |
| Memory layout (slots x size) | 1 x 16 GB | AC adapter input voltage | 100 - 240 V |
| Memory slots | 2x SO-DIMM | USB Type-C charging port * | ✓ |
| Maximum internal memory * | 64 GB | USB Power Delivery (USB PD) * | ✓ |
| Memory data transfer rate | 5600 MT/s | USB charging voltage | 5,20 V |
| Non-ECC | ✓ | Security | |
| Storage | | Cable lock slot | ✓ |
| Total storage capacity * | 512 GB | Cable lock slot type | Wedge |
| Storage media * | SSD | Smart card reader | ✓ |
| Total SSDs capacity | 512 GB | Trusted Platform Module (TPM) | ✓ |
| Number of SSDs installed | 1 | Trusted Platform Module (TPM) version | 2.0 |
| SSD capacity | 512 GB | Operational conditions | |
| SSD interface | PCI Express 4.0 | Operating temperature (T-T) | 0 - 35 °C |
| NVMe | ✓ | Storage temperature (T-T) | -40 - 65 °C |
| SSD form factor | M.2 | Operating relative humidity (H-H) | 10 - 90% |
| SSD performance class | 35 | Storage relative humidity (H-H) | 0 - 95% |
| M.2 SSD size | 2230 (22 x 30 mm) | Operating altitude | -15.2 - 3048 m |
| Optical drive type * | ✗ | Non-operating altitude | -15.2 - 10668 m |
| Card reader integrated | ✓ | Operating shock | 110 G |
| Compatible memory cards | MicroSD (TransFlash), MicroSDHC, MicroSDXC | Non-operating shock | 160 G |
| Graphics | | Operating vibration | 0.66 G |
| Discrete graphics card model * | NVIDIA RTX 500 Ada | Non-operating vibration | 1.3 G |
| Discrete graphics card memory | 4 GB | Sustainability | |
| Discrete graphics memory type | GDDR6 | Sustainability compliance | ✓ |
| On-board graphics card * | ✓ | Sustainability certificates | ENERGY STAR, TCO |
| On-board GPU manufacturer | Intel | Weight & dimensions | |
| Discrete graphics card * | ✓ | Width | 357.8 mm |
| On-board graphics card family | Intel Arc Graphics | | |
| On-board graphics card model * | Intel Arc Graphics | | |

| Audio | | Weight & dimensions | |
|-----------------------------------|--------------------|--|----------------------|
| Number of built-in speakers | 2 | Depth | 233.3 mm |
| Speakers manufacturer | Waves | Height (front) | 2.27 cm |
| Speaker power | 2 W | Height (rear) | 2.47 cm |
| Built-in microphone | ✓ | Weight * | 1.79 kg |
| Number of microphones | 2 | Carbon footprint | |
| Camera | | Total carbon footprint (kg of CO2e) | 120 |
| Front camera | ✓ | Carbon emissions, manufacturing (kg of CO2e) | 84 |
| Front camera resolution (numeric) | 2.07 MP | Carbon emissions, logistics (kg of CO2e) | 5 |
| Front camera resolution | 1920 x 1080 pixels | Carbon emissions, energy usage (kg of CO2e) | 31 |
| Front camera HD type | Full HD | 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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