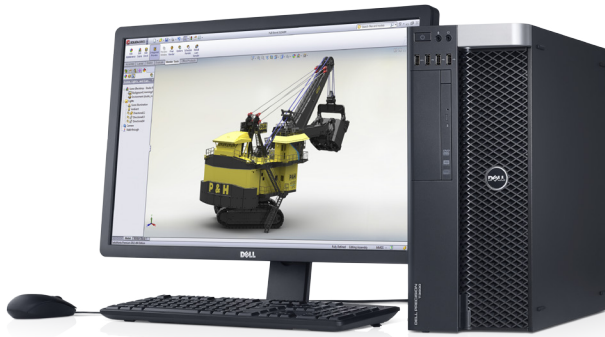
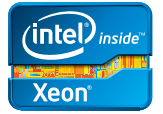


Windows®. Life without Walls™. Dell recommends Windows 7.



Screen Image Courtesy of P&H Mining Equipment

# Dell Precision T3600

Mid-range workstation with an excellent balance of performance and scalability

## Dell Precision™ Workstations

Precision is the key element that separates greatness from everything else. Dell Precision is your key tool for creating architectural drawings, performing complex engineering design work or wringing the most from any performance intensive application. Our revolutionary workstation-class products offer voracious productivity, Independent Software Vendor (ISV) certification<sup>1</sup>, superb reliability, and harmonious manageability to maximize your productivity and dependability.

## Built to work for you

The Dell Precision T3600 offers powerful performance for exacting workstation workloads such as mainstream 3D, advanced engineering, digital content creation, CAD/CAM, and design environments. Dell workstations are tailored to your needs and are available in a wide range of configurations that are ISV certified for a broad range of professional applications, so you can rest easy knowing your professional-grade system can handle your specific workload.

## Experience the evolution of productivity

Power through resource-exhausting and graphics-intensive workloads with the advanced design of the dual socket Dell Precision T3600 featuring:

- Intel® Xeon® processor E5-1600 or E5-2600 family
- Up to 64GB<sup>4</sup> of quad-channel ECC or non-ECC memory
- Choose from a broad selection of AMD or NVIDIA® graphics
- Experience the power of NVIDIA Maximus® technology, featuring Quadro and Tesla GPUs that simultaneously enable simulation and design on a single system
- Protect your investment with Generation 3 PCIe slots to help prepare for the next generation of graphics
- Intel® Advanced Vector Extensions and Intel® Turbo Boost Technology, offering outstanding performance for complex applications

## Reduce environmental impact

Dell Precision T3600 is EPEAT®-registered<sup>2</sup> and offers ENERGY STAR® 5.2 configurations, including 80 PLUS®-registered Gold power supplies. Not only will you help lower your impact on the environment, but you can also help reduce your operating energy costs.

## Best-in-class chassis design

The Dell Precision T3600 features a totally redesigned chassis, enabling you to perform service and modifications with greater ease than ever before with features such as:

- Straightforward, clutter-free interior providing easy access to components
- The only mainstream tower workstation family to offer an externally accessible tool-less power supply for superior serviceability
- Integrated front and rear aluminum handles for easy deployment and moves
- Room for up to two 3.5" or four 2.5" tool-less hard drives
- Handy top tray offers a convenient location to store external drives or cameras and provides easy access to front-mounted USB ports
- Easy rack mounting via 0U rail shelf kit (sold separately)

## Memory you can count on for a lifetime of dependable operation

You keep working, no matter what challenges you face. Dell's exclusive, patented Reliable Memory Technology helps ensure that your workstations will too. The new technology maximizes uptime by eliminating virtually all memory errors so the workstations can get more reliable over time, providing a stable and reliable platform you can trust.



| Dell Precision T3600 Workstation Technical Specifications     |   |  |  |                    |   |                                 |  |                   |                  |                                 |                   |                   |                        |  |                    |  |  |  |                    |  |  |
|---|---|--|--|--------------------|---|---------------------------------|--|-------------------|------------------|---------------------------------|-------------------|-------------------|------------------------|--|--------------------|--|--|--|--------------------|--|--|
| Processors  | Intel® Xeon® processor E5-1600 or E5-2600 family with up to eight-cores and Intel Advanced Vector Extensions, Intel Trusted Execution Technology, Intel AES New instructions, Optimized Intel Turbo Boost and optional Intel vPro™ technology   |  |  |                    |   |                                 |  |                   |                  |                                 |                   |                   |                        |  |                    |  |  |  |                    |  |  |
| Operating Systems   | <ul style="list-style-type: none"> <li>Genuine Windows® 7 Ultimate 32-Bit; Genuine Windows® 7 Ultimate 64-Bit</li> <li>Genuine Windows® 7 Professional 32-Bit; Genuine Windows® 7 Professional 64-Bit</li> <li>Red Hat® Enterprise Linux® WS v.6.1 EM64T (Also certified to run Red Hat Enterprise Linux Version 5.7 64-Bit)</li> <li>Ubuntu 11.10 Linux (select regions only)</li> </ul>   |  |  |                    |   |                                 |  |                   |                  |                                 |                   |                   |                        |  |                    |  |  |  |                    |  |  |
| Chipset   | Intel® C600 series chipset  |  |  |                    |   |                                 |  |                   |                  |                                 |                   |                   |                        |  |                    |  |  |  |                    |  |  |
| Memory <sup>2, 4</sup>  | Quad channel; Up to 64GB 1600MHz or 1333MHz ECC and non-ECC DDR3 memory; 4 DIMM slots   |  |  |                    |   |                                 |  |                   |                  |                                 |                   |                   |                        |  |                    |  |  |  |                    |  |  |
| Graphics <sup>4</sup>   | Support for two PCI Express® x16 Gen 2 or Gen 3 graphics cards up to 300W (total for graphics): <table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;"><b>High End 3D</b></td> <td style="width: 25%;"><b>Mid-range 3D</b></td> <td style="width: 25%;"><b>Entry 3D</b></td> <td style="width: 25%;"><b>Professional 2D</b> (not ISV certified)</td> </tr> <tr> <td>NVIDIA® Quadro® 6000</td> <td>AMD FirePro™ V7900</td> <td>AMD FirePro V4900</td> <td>AMD FirePro 2270</td> </tr> <tr> <td>NVIDIA Quadro 5000<sup>5</sup></td> <td>AMD FirePro V5900</td> <td>NVIDIA Quadro 600</td> <td>NVIDIA Quadro NVS™ 300</td> </tr> <tr> <td></td> <td>NVIDIA Quadro 4000</td> <td></td> <td></td> </tr> <tr> <td></td> <td>NVIDIA Quadro 2000</td> <td></td> <td></td> </tr> </table> | <b>High End 3D</b>   | <b>Mid-range 3D</b>                        | <b>Entry 3D</b>    | <b>Professional 2D</b> (not ISV certified)                    | NVIDIA® Quadro® 6000            | AMD FirePro™ V7900   | AMD FirePro V4900 | AMD FirePro 2270 | NVIDIA Quadro 5000 <sup>5</sup> | AMD FirePro V5900 | NVIDIA Quadro 600 | NVIDIA Quadro NVS™ 300 |  | NVIDIA Quadro 4000 |  |  |  | NVIDIA Quadro 2000 |  |  |
| <b>High End 3D</b>  | <b>Mid-range 3D</b>   | <b>Entry 3D</b>  | <b>Professional 2D</b> (not ISV certified) |                    |   |                                 |  |                   |                  |                                 |                   |                   |                        |  |                    |  |  |  |                    |  |  |
| NVIDIA® Quadro® 6000  | AMD FirePro™ V7900  | AMD FirePro V4900  | AMD FirePro 2270                           |                    |   |                                 |  |                   |                  |                                 |                   |                   |                        |  |                    |  |  |  |                    |  |  |
| NVIDIA Quadro 5000 <sup>5</sup>                               | AMD FirePro V5900   | NVIDIA Quadro 600  | NVIDIA Quadro NVS™ 300                     |                    |   |                                 |  |                   |                  |                                 |                   |                   |                        |  |                    |  |  |  |                    |  |  |
|   | NVIDIA Quadro 4000  |  |  |                    |   |                                 |  |                   |                  |                                 |                   |                   |                        |  |                    |  |  |  |                    |  |  |
|   | NVIDIA Quadro 2000  |  |  |                    |   |                                 |  |                   |                  |                                 |                   |                   |                        |  |                    |  |  |  |                    |  |  |
| GPU   | NVIDIA Tesla® C2075 GPGPU - Supports Nvidia Maximus™ technology   |  |  |                    |   |                                 |  |                   |                  |                                 |                   |                   |                        |  |                    |  |  |  |                    |  |  |
| Storage Options <sup>6</sup>                                  | Up to two 3.5" or four 2.5" internal SATA, SAS or SSD drives. <table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;"><b>SATA 7200RPM</b></td> <td style="width: 25%;"><b>SAS 10K RPM</b></td> <td style="width: 25%;"><b>SAS 15K RPM</b></td> <td style="width: 25%;"><b>SSD</b></td> </tr> <tr> <td>Up to 3.0TB</td> <td>Up to 900GB</td> <td>146GB</td> <td>256GB</td> </tr> </table>  | <b>SATA 7200RPM</b>  | <b>SAS 10K RPM</b>                         | <b>SAS 15K RPM</b> | <b>SSD</b>  | Up to 3.0TB                     | Up to 900GB  | 146GB             | 256GB            |                                 |                   |                   |                        |  |                    |  |  |  |                    |  |  |
| <b>SATA 7200RPM</b>   | <b>SAS 10K RPM</b>  | <b>SAS 15K RPM</b>   | <b>SSD</b>                                 |                    |   |                                 |  |                   |                  |                                 |                   |                   |                        |  |                    |  |  |  |                    |  |  |
| Up to 3.0TB   | Up to 900GB   | 146GB  | 256GB                                      |                    |   |                                 |  |                   |                  |                                 |                   |                   |                        |  |                    |  |  |  |                    |  |  |
| Storage Controller Options                                    | <b>Standard:</b> Dell PERC H310 PCIe host-based RAID card with four 6Gb/s ports supporting SATA/SAS/SSD drives and RAID 0, 1, 5, 10 configurations<br><b>Optional:</b> Dell PERC H710P PCIe hardware RAID card with four 6Gb/s ports supporting SATA/SAS/SSD drives and RAID 0,1, 5, 10 configurations  |  |  |                    |   |                                 |  |                   |                  |                                 |                   |                   |                        |  |                    |  |  |  |                    |  |  |
| Communications  | <b>Network Controller:</b> Integrated Intel 82579 Gigabit Ethernet controller with Remote Wake UP, PXE and Jumbo frames support<br>Optional Intel Ethernet Server Adapter X520-T2 10GbE PCIe controller card (Windows 7 drivers only at launch)   |  |  |                    |   |                                 |  |                   |                  |                                 |                   |                   |                        |  |                    |  |  |  |                    |  |  |
| Audio Controller  | Integrated Realtek ALC269Q High Definition Audio  |  |  |                    |   |                                 |  |                   |                  |                                 |                   |                   |                        |  |                    |  |  |  |                    |  |  |
| I/O Ports   | <table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%; text-align: center;">Front</th> <th style="width: 33%; text-align: center;">Internal</th> <th style="width: 33%; text-align: center;">Rear</th> </tr> </thead> <tbody> <tr> <td style="vertical-align: top;"> 3 - USB 2.0<br/> 1 - USB 3.0<br/> 1 - Microphone<br/> 1 - Headphone </td> <td style="vertical-align: top;"> 3 - USB 2.0<br/> 2 - SATA 6.0Gb/s </td> <td style="vertical-align: top;"> 5 - USB 2.0<br/> 1 - USB 3.0<br/> 2 - PS2<br/> 1 - Serial<br/> 1 - RJ45<br/> 1 - 1394a (optional via add-in card)<br/> 1 - Parallel (optional via add-in card) </td> </tr> </tbody> </table>   | Front  | Internal                                   | Rear               | 3 - USB 2.0<br>1 - USB 3.0<br>1 - Microphone<br>1 - Headphone | 3 - USB 2.0<br>2 - SATA 6.0Gb/s | 5 - USB 2.0<br>1 - USB 3.0<br>2 - PS2<br>1 - Serial<br>1 - RJ45<br>1 - 1394a (optional via add-in card)<br>1 - Parallel (optional via add-in card) |                   |                  |                                 |                   |                   |                        |  |                    |  |  |  |                    |  |  |
| Front   | Internal  | Rear   |  |                    |   |                                 |  |                   |                  |                                 |                   |                   |                        |  |                    |  |  |  |                    |  |  |
| 3 - USB 2.0<br>1 - USB 3.0<br>1 - Microphone<br>1 - Headphone | 3 - USB 2.0<br>2 - SATA 6.0Gb/s   | 5 - USB 2.0<br>1 - USB 3.0<br>2 - PS2<br>1 - Serial<br>1 - RJ45<br>1 - 1394a (optional via add-in card)<br>1 - Parallel (optional via add-in card) |  |                    |   |                                 |  |                   |                  |                                 |                   |                   |                        |  |                    |  |  |  |                    |  |  |
| Mid-Tower Chassis   | <b>Dimensions:</b> (HxWxD) 16.30" x 6.79" x 18.54"; 414mm x 172.6mm x 471mm<br><b>Bays:</b> Two internal 3.5" hard drive bays; one external 5.25" bay; one external slimline optical bay<br><b>Slots</b> (all full length): Two PCIe x16 Gen 3; one PCIe x16 Gen 3 wired x4; one PCIe x4 Gen 2; one PCIe x1 Gen 2; One PCI 32bit/33MHz<br><b>Power Supply</b> (externally accessible, toolless, 80 Plus® Gold Certified, 90% efficient): 635W or 425W   |  |  |                    |   |                                 |  |                   |                  |                                 |                   |                   |                        |  |                    |  |  |  |                    |  |  |
| Monitor Compatibility   | Recommended with high-performance Dell UltraSharp™ widescreen displays from 22" to 30" viewable. Also compatible with Dell Professional and E Series widescreen & standard displays from 17" to 24" viewable; analog flat-panel displays also available   |  |  |                    |   |                                 |  |                   |                  |                                 |                   |                   |                        |  |                    |  |  |  |                    |  |  |
| Keyboard  | Dell Entry keyboard; or optional Dell KB522 Wired Business Multimedia Keyboard (good); Dell NY606 SmartCard USB Keyboard (better); Logitech MK710 Wireless Keyboard and Mouse Combo (best)  |  |  |                    |   |                                 |  |                   |                  |                                 |                   |                   |                        |  |                    |  |  |  |                    |  |  |
| Mouse   | Dell USB Optical Mouse or optional Dell WM311 3-Button Wireless Mouse (good); Microsoft Corporation U5K-00001 Explorer Touch Mouse – Black (better); Logitech 910-001105 MX Performance Wireless Mouse (best).  |  |  |                    |   |                                 |  |                   |                  |                                 |                   |                   |                        |  |                    |  |  |  |                    |  |  |
| Speakers  | Optional Speakers: Internal speaker; Dell soundbar; two- and three-piece stereo system  |  |  |                    |   |                                 |  |                   |                  |                                 |                   |                   |                        |  |                    |  |  |  |                    |  |  |
| Storage Devices   | Slimline options: DVD-ROM; DVD+/-RW; BD-RE<br>Optional 5.25" device: DVD+/-RW, 19-in-1 media card reader  |  |  |                    |   |                                 |  |                   |                  |                                 |                   |                   |                        |  |                    |  |  |  |                    |  |  |
| Security  | Trusted Platform Module 1.2 (TPM 1.2) <sup>7</sup> ; Optional intrusion switch; Setup/BIOS Password; I/O Interface Security; Kensington® lock slot, Padlock ring, lockable power supply; Dell Data Protection   Encryption solution (available in select regions)   |  |  |                    |   |                                 |  |                   |                  |                                 |                   |                   |                        |  |                    |  |  |  |                    |  |  |
| Environmental and Regulatory                                  | Energy Star® 5.2 configurations available including 80 PLUS® registered Gold power supplies; EPEAT® registered (see epeat.net for specific registration rating/status by country); China CECF; GS Mark. For a complete listing of declarations and certifications, see Dell's regulatory and compliance homepage at <a href="http://dell.com/regulatory_compliance">dell.com/regulatory_compliance</a>  |  |  |                    |   |                                 |  |                   |                  |                                 |                   |                   |                        |  |                    |  |  |  |                    |  |  |
| Service and Support   | 3-Year Limited Hardware Warranty <sup>8</sup> and 3-year NBD On-Site Service after Remote Diagnosis <sup>9</sup><br>Optional: Dell ProSupport <sup>10</sup> is designed to rapidly respond to your business's needs, help protect your investment and sensitive data, and provide enhanced proactive support services to help reduce risk and complexity within your IT environment   |  |  |                    |   |                                 |  |                   |                  |                                 |                   |                   |                        |  |                    |  |  |  |                    |  |  |

## Learn more at [dell.com/Precision](http://dell.com/Precision)

1. ISV certification applies to select configurations

2. A 64-bit operating system is required to support 4GB or more of system memory.

3. See [epeat.net](http://epeat.net) for specific registration rating/status by country.

4. GB means 1 billion bytes and TB equals 1 trillion bytes; significant system memory may be used to support graphics, depending on system memory size and other factors.

5. Supports NVIDIA SLI®

6. GB means 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less.

7. TPM not available in all regions.

8. For copy of Ltd Hardware Warranty, write Dell USA LP, Attn: Warranties, One Dell Way, Round Rock, TX 78682 or see [www.dell.com/warranty](http://www.dell.com/warranty)

9. Remote Diagnosis is determination by online/phone technician of cause of issue; may involve customer access to inside of system and multiple or extended sessions. If issue is covered by Limited Hardware Warranty and not resolved remotely, technician and/or part will be dispatched, usually within 1 business day following completion of Remote Diagnosis. Availability varies. Other conditions apply.

10. Availability and terms of Dell Services vary by region. For more information, visit [www.dell.com/servicesdescriptions](http://www.dell.com/servicesdescriptions).

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