Dell recommends Windows®

Dell Precision T5610
Powerful and reliable dual socket workstation in a compact chassis

Dell Precision™ Workstations
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 workstations provide superb productivity, Independent Software Vender (ISV) certified reliability, and innovative smart design to maximize your productivity and dependability.

Experience the evolution of productivity
Power through resource-exhausting and graphics-intensive workloads with the advanced design of the dual socket Dell Precision T5610 featuring:

• One or two processors from the Intel® Xeon® processor E5-2600 v2 family provide the performance you need to process complex tasks quickly.
• Easily handle large data sets with up to 128GB of 1866Mhz quad-channel ECC memory.
• Choose from a broad selection of professional grade AMD FirePro™ or NVIDIA® Quadro® 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
• Intel® Advanced Vector Extensions and Intel® Turbo Boost Technology, offering outstanding performance for complex applications

Reduce environmental impact
Dell Precision T5610 is EPEAT®-registered and offers ENERGY STAR® 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 T5610 offers one of the industry’s best chassis, enabling you to perform service and modifications with incredible ease 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)

Dependability you can count on
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.

Recommended Accessories
Dell offers all of the essential accessories you need to enhance your workstation productivity including:

• Enjoy outstanding color accuracy, consistency, and richness with state-of-the-art Dell UltraSharp monitors with PremierColor. These monitors are perfect for power users who require precise, accurate, color-critical performance.
• Maximize workspace ergonomics and viewing comfort with the Dell MDS14 Dual Monitor Stand or Dell MSA14 Single Monitor Arm.
• The versatile Dell C3765dnf multifunction color laser printer offers value, quality and efficiency to workgroups by combining low cost per page with excellent print quality.

Exceptional Service
Rest assured that your Dell Precision workstation will be well protected should an issue arise. The T5610 comes with a 3 year limited hardware warranty standard. Dell’s premium support service, ProSupport®, features 24/7 direct telephone access to advanced-level technicians based in your region to end downtime and resolve problems quickly.
### Dell Precision T5610 Workstation Technical Specifications

#### Processors
One or two; Intel® Xeon® processor E5-2600 v2 family with up to ten 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
- Windows® 8 Pro (64-Bit)
- Genuine Windows® 7 Ultimate 32-Bit; Genuine Windows® 7 Ultimate 64-Bit
- Genuine Windows® 7 Professional 32-Bit; Genuine Windows® 7 Professional 64-Bit
- Red Hat® Enterprise Linux® 6.4
- Ubuntu 12.04 SP1 Linux (China only)

#### Chipset
Intel® C602

#### Memory\(^1,4\)
Quad channel; Up to 128GB 1866MHz ECC RDIMM memory; 8 DIMM slots (4 per processor)

#### Graphics\(^1\)
Support for two PCI Express® x16 Gen 2 or Gen 3 graphics cards up to 300W (total for graphics):

<table>
<thead>
<tr>
<th>High End 3D</th>
<th>Mid-range 3D</th>
<th>Entry 3D</th>
<th>Professional 2D (not ISV certified)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NVIDIA® Quadro® K5000</td>
<td>AMD FirePro™ W7000</td>
<td>AMD FirePro V4900</td>
<td>NVIDIA Quadro K2000</td>
</tr>
<tr>
<td>NVIDIA Quadro K4000</td>
<td>NVIDIA Quadro K4000</td>
<td>NVIDIA Quadro K6000</td>
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</tbody>
</table>

#### GPU
NVIDIA Tesla® K20C GPGPU - Supports Nvidia Maximus™ technology

#### Storage Options\(^3\)
Up to three 3.5” or four 2.5” internal SATA, SAS or SSD drives. Additional add-in controller required for SAS hard drives.

<table>
<thead>
<tr>
<th>Storage Options</th>
<th>Storage Controller Options</th>
<th>GPU</th>
</tr>
</thead>
<tbody>
<tr>
<td>SATA 7200RPM Up to 3.0TB</td>
<td>Integrated: Intel AHCI 6Gb/s SATA controller with six ports (two 6Gb/s, two 3Gb/s, two reserved for optical drives) supports software RAID 0, 1, 5, 10</td>
<td>NVIDIA Tesla® K20C GPGPU</td>
</tr>
<tr>
<td>SATA 10K RPM Up to 500GB</td>
<td>Optional: LSI 9217-Bi 6Gb/s SAS PCIe controller supports software RAID 0, 1, 10 configurations</td>
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</tr>
<tr>
<td>SAS 15K RPM Up to 900GB</td>
<td>Optional: NVIDIA Quadro K2000 supports software RAID 0, 1, 5, 10 configurations</td>
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<tr>
<td>SSD Up to 300GB</td>
<td>Optional: Broadcom NetXtreme 10/100/1000 Gigabit Ethernet controller (PCIe card)</td>
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<tr>
<td>PCIe SSD Up to 512GB</td>
<td>Optional: Intel Ethernet Server Adapter X520-T2 10GbE (PCIe card)</td>
<td></td>
</tr>
<tr>
<td>PCIe SSD Up to 350GB</td>
<td>Optional: Dell 5.25” device: NVIDIA Quadro K2000 supports software RAID 0, 1, 5, 10 configurations</td>
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</tr>
</tbody>
</table>

#### Storage Controller Options
- Integrated:
  - Intel AHCI 6Gb/s SATA controller with six ports (two 6Gb/s, two 3Gb/s, two reserved for optical drives) supports software RAID 0, 1, 5, 10
  - NVIDIA Quadro® K5000
  - NVIDIA Quadro® K4000
  - NVIDIA Quadro® K6000
  - NVIDIA Quadro® K2000
- Optional:
  - LSI 9217-Bi 6Gb/s SAS PCIe controller supports software RAID 0, 1, 10 configurations
  - NVIDIA Quadro® K2000 supports software RAID 0, 1, 5, 10 configurations

#### Communications
- Integrated:
  - Intel 82579 Gigabit Ethernet controller with Remote Wake UP, PXE and Jumbo frames support
- Optional:
  - Broadcom NetXtreme 10/100/1000 Gigabit Ethernet controller (PCIe card)
  - Intel Ethernet Server Adapter X520-T2 10GbE (PCIe card)

#### Remote Access
Optional Tera2 dual display PCoIP™ PCIe remote access host card for optional Wyse P25 zero client

#### Audio Controller
Integrated Realtek ALC269Q High Definition Audio

#### Optional Audio Controller
Optional: Creative Sound Blaster Recon3D PCIe x1 card

#### I/O Ports

<table>
<thead>
<tr>
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<th>Front</th>
<th>Internal</th>
<th>Rear</th>
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</thead>
<tbody>
<tr>
<td>3 - USB 2.0</td>
<td>3 - USB 2.0</td>
<td>3 - USB 2.0</td>
<td></td>
</tr>
<tr>
<td>1 - USB 3.0</td>
<td>2 - SATA 6Gb/s</td>
<td>2 - USB 3.0</td>
<td></td>
</tr>
<tr>
<td>1 - Microphone</td>
<td>2 - SATA 3Gb/s</td>
<td>2 - PS2</td>
<td></td>
</tr>
<tr>
<td>1 - Headphone</td>
<td>2 - SATA 3Gb/s (for optical drive(s))</td>
<td>1 - Serial</td>
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<tr>
<td></td>
<td></td>
<td>1 - RJ45</td>
<td>1 - 1394a (optional via add-in card)</td>
</tr>
</tbody>
</table>

#### Mid-Tower Chassis
Dimensions (HxWxD): 16.30 x 6.79 x 18.54; 414 x 172.6 x 471mm

- Bays: One external slimline optical bay; Two internal 3.5” hard drive bays; one external 5.25” bay; Power Supply (externally accessible, toolless, 80 Plus® Gold Certified; 90% efficient): 825W or 685W
- Skype: Dell 2.0 and 2.1 stereo speaker systems available; Dell sound bar for select flat-panel displays.

#### Storage Devices

<table>
<thead>
<tr>
<th>Storage Devices</th>
<th>Slimline options: DVD-ROM, DVD+-/RW</th>
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<tbody>
<tr>
<td>Optional: 3.25” device: DVD+/-RW, Blu-ray Disc™ rewritable; 19-in-1 media reader</td>
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</table>

#### Security Options\(^5\)
Trusted Platform Module 1.2 (TPM 1.2); Intrusion switch; Setup/BIOS Password; I/O Interface Security; Kensington® lock slot, Padlock ring, lockable power supply, Dell Data Protection | Encryption; Dell Data Protection | Security Tools; Dell Data Protection | Protected Workspace |

#### Environmental and Regulatory
Energy Star® configurations available including 80 PLUS® registered Gold power supplies. EPEAT® registered (see epeat.net for specific registration rating/status by country); China CECP; GS Mark. For a complete listing of declarations and certifications, see Dell’s regulatory and compliance homepage at dell.com/regulatory_compliance

#### Service and Support
3-Year Limited Hardware Warranty\(^7\) and 3-year NBD On-Site Service after Remote Diagnosis\(^8\)

Optional: Dell ProSupport\(^5\) 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

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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 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. GB means 1 billion bytes and TB equals 1 trillion bytes; support software RAID 0, 1, 5, 10 configurations
6. Broadly available in select regions.
7. Free copy of Optiva Hardware Warranty, one Dell USA LP Attn: Warranties, One Dell Way, Round Rock, TX 78682 or see www.dell.com/warranty
8. Remote Diagnosis is determined by online/phone technician of cause of issue, may involve customer access be 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.
9. Availability and terms of Dell Services vary by region. For more information, visit www.dell.com/services descriptions.

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