



Dell Precision T1700

Workstation performance for about the price of a desktop

Powerful performance

Whether you're building 2-D or 3-D models or multitasking with demanding applications, the Dell Precision T1700 workstation can power through intensive tasks easily:

- Intel® Xeon® E3-1200 v3 processors or 4th Generation Intel® Core™ processors enable fast and stable processing.
- Powerful graphics options include AMD FirePro or NVIDIA® Quadro professional-grade discrete graphics or integrated Intel® graphics.
- Dell Precision Performance Optimizer helps your professional software run at its peak performance automatically.



Smart design, now in two sizes

The Dell Precision T1700 is available in two sizes, a compact mini tower or small form factor (SFF) design. Both offer many convenient features including:

- The smallest workstation in its class allows you to bring powerful performance to small spaces.
- Two front-mounted USB 3.0 ports enable fast data transfers and easy connectivity to your external media and accessories.
- Select configurations are ENERGY STAR 5.2 qualified which makes the Dell Precision T1700 an energy-efficient part of your IT ecosystem.
- A conveniently placed hand hold helps you deploy and position your workstation with minimal hassle.

Built to be dependable

The Dell Precision T1700 has undergone extensive testing to ensure strong performance now and into the future:

- Optional Dell Data Protection | Security Tools and optional Dell Data Protection | Encryption help make Dell Precision T1700 a secure entry-level workstation⁷.
- Optional mirrored RAID provides redundancy and fast recovery in the event of a drive failure.
- Up to 32GB⁴ of optional error-correcting code (ECC) memory corrects isolated soft-memory errors and provides a solid foundation for memory and system stability.
- Available self-encrypting drives (SEDs) can reduce security risks and unauthorized access to your data⁷.

Dell services, including Dell ProSupport¹¹, can help you protect your hardware investment through a customizable suite of support options.

ISV certified¹

The Dell Precision T1700 is a true workstation that's compatible with leading Independent Software Vendor (ISV) certified applications for maximum uptime and productivity:

- An expanded set of ISV certified applications ensures software compatibility with your system and peak performance of your applications.
- Popular ISV certified applications include AutoCAD, SolidWorks and Creo.
- Triple monitor support comes standard. Optional quad monitor support can enable even greater productivity.



| | Dell Precision T1700 Mini Tower (MT) | Dell Precision T1700 Small Form Factor (SFF) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Processors | Intel® Xeon® Processor E3-1200 v3 Family; 4th generation Intel® Core™ i7 and i5; 4th generation Intel Core i3 coming soon Turbo Boost Technology 2.0 ⁵ and Intel Integrated HD Graphics on select processors; optional Intel vPro™ technology | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operating Systems | <ul style="list-style-type: none"> Windows® 8 Pro (64-Bit) Genuine Windows® 7 Ultimate 64-Bit; Genuine Windows® 7 Ultimate 32-Bit Genuine Windows® 7 Professional 64-Bit; Genuine Windows® 7 Professional 32-Bit Red Hat® Enterprise Linux® WS v.6.4 EM64T Ubuntu 12.04 Linux (China only) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Chipset | Intel® C226 Chipset | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Memory ^{2, 4} | Up to 32GB 1600MHz ECC; up to 16GB 1600MHz non-ECC DDR3 memory; 4 DIMM slots | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Graphics ⁴ | <p>Mini tower: one PCI Express® x16 Gen 3 graphic card up to 150W (total for graphics) (some cards available in dual config); Small form factor: one low profile PCI Express® x16 Gen 3 graphic card up to 50W (total for graphics):</p> <table border="1"> <thead> <tr> <th>Mid-range 3D</th> <th>MT</th> <th>SFF</th> <th>Entry 3D</th> <th>MT</th> <th>SFF</th> <th>Professional 2D (not ISV certified)</th> <th>MT</th> <th>SFF</th> </tr> </thead> <tbody> <tr> <td>AMD FirePro W5000</td> <td><input checked="" type="checkbox"/></td> <td></td> <td>AMD FirePro V4900</td> <td><input checked="" type="checkbox"/></td> <td></td> <td>AMD FirePro 2270</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>NVIDIA® Quadro® K4000</td> <td><input checked="" type="checkbox"/></td> <td></td> <td>NVIDIA Quadro K600</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Intel HD Graphics P4600/4600⁵</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>NVIDIA Quadro K2000</td> <td><input checked="" type="checkbox"/></td> <td></td> <td></td> <td></td> <td></td> <td>NVIDIA Quadro NVS™ 510</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>NVIDIA Quadro NVS 310</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> </tbody> </table> | | Mid-range 3D | MT | SFF | Entry 3D | MT | SFF | Professional 2D (not ISV certified) | MT | SFF | AMD FirePro W5000 | <input checked="" type="checkbox"/> | | AMD FirePro V4900 | <input checked="" type="checkbox"/> | | AMD FirePro 2270 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | NVIDIA® Quadro® K4000 | <input checked="" type="checkbox"/> | | NVIDIA Quadro K600 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Intel HD Graphics P4600/4600 ⁵ | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | NVIDIA Quadro K2000 | <input checked="" type="checkbox"/> | | | | | NVIDIA Quadro NVS™ 510 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | | NVIDIA Quadro NVS 310 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
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| AMD FirePro W5000 | <input checked="" type="checkbox"/> | | AMD FirePro V4900 | <input checked="" type="checkbox"/> | | AMD FirePro 2270 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NVIDIA® Quadro® K4000 | <input checked="" type="checkbox"/> | | NVIDIA Quadro K600 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Intel HD Graphics P4600/4600 ⁵ | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Storage Options ⁶ | <p>Mini tower: up to two 3.5" or four 2.5" SATA drives; Small form factor: one 3.5" or two 2.5" SATA drives; Both: Intel Smart Response Technology (SRT)⁸, Intel Rapid Start Technology (RST)⁸, Smart Connect Technology (SCT)⁸ with select drives:</p> <table border="1"> <thead> <tr> <th>SATA 6.0Gb/s 7200RPM</th> <th>SATA 6.0Gb/s 10k RPM</th> <th>SATA 6.0Gb/s SSD</th> <th>Self Encrypting Drive (SED)⁷</th> </tr> </thead> <tbody> <tr> <td>Up to 2.0TB</td> <td>Up to 500GB</td> <td>Up to 256GB</td> <td>500GB</td> </tr> </tbody> </table> | | SATA 6.0Gb/s 7200RPM | SATA 6.0Gb/s 10k RPM | SATA 6.0Gb/s SSD | Self Encrypting Drive (SED) ⁷ | Up to 2.0TB | Up to 500GB | Up to 256GB | 500GB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Storage Controller | Integrated: Intel Rapid Storage Technology supporting SATA 6Gb/s and host based RAID 0/1/5/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Communications | <p>Integrated: Integrated Intel 82579 Gigabit Ethernet controller with Remote Wake UP, PXE and Jumbo frames support Optional: Broadcom NetXtreme 10/100/1000 Gigabit Ethernet controller (PCI Express card)</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Audio Controller | Integrated Realtek ALC269Q High Definition Audio | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I/O Ports | <p>Front</p> <ul style="list-style-type: none"> 2 - USB 2.0 2 - USB 3.0 1 - Microphone 1 - Headphone | <p>Internal</p> <ul style="list-style-type: none"> 1 - USB 2.0 (MT only) 2 - SATA 6.0Gb/s 2 - SATA 3.0Gb/s | <p>Rear</p> <ul style="list-style-type: none"> 4 - USB 2.0 2 - USB 3.0 2 - PS2 2 - DisplayPort 1 - VGA 1 - RJ45 1 - Serial 1 - Audio line-in / microphone 1 - Audio line-out | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Chassis | <p>HxWxD: 14.17" x 6.89" x 17.13" / 360mm x 175mm x 435mm Bays: Two internal 3.5" bays; two external 5.25" optical bays Slots: One PCIe x16 Gen 3; one PCIe x16 Gen 2 wired x4; one PCIe x1; One PCI 32bit/33MHz Power Supply: 365W 90% efficient (80 Plus® Gold Certified); 290W 65% efficient</p> | <p>HxWxD: 11.42" x 3.65" x 12.28" / 290mm x 92.6mm x 312mm Bays: One internal 3.5" bay (supports one 3.5" or two 2.5" drives); one external slimline optical bay Slots: One PCIe x16 Gen 3; one PCIe x4 (open ended) wired x4 Power Supply: 255W 90% efficient (80 Plus® Gold Certified); 255W 65% efficient</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Monitor Compatibility | Dell UltraSharp series - Award-winning high-performance monitors with PremierColor (on select models) and ultrawide viewing: 21.5"-30"; Dell Professional series monitors available: 17"-24". Dell Single Monitor Arm and Dual Monitor Stand. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Keyboard | Dell Smartcard Keyboard; Dell Business Multimedia Keyboard | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mouse | Dell USB Optical Mouse; Dell Laser USB 6-Button Mouse | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Speakers | Dell 2.0 and 2.1 stereo speaker systems available; Dell sound bar for select flat-panel displays | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Storage Devices | Up to two optional optical drives: DVD-ROM; DVD+/-RW; Optional 19-in-1 media card reader (installed in 5.25" bay) (MT only) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Security Options ⁶ | 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 (DDP): DDP Security Tools for advanced authentication; DDP Protected Workspace for malware; DDP Encryption for data protection | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Environmental and Regulatory | ENERGY STAR® 5.2 configurations available including optional 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Warranty and Support Services | <p>Limited Hardware Warranty⁹, Standard 1-year On Site Service after Remote Diagnosis¹⁰ Optional: Optional Dell ProSupport and Dell ProSupport with Mission Critical offers premium support from expert technicians and 24x7 global availability and same day business response options for mission critical situations¹¹.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Learn more at 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 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. Intel Turbo Boost mode only available on Xeon, Core i7 and Core i5 processors. Intel Integrated HD graphics only available with select processors.

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. Some options available only in select regions.

8. Feature requires proper storage configuration.

9. 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

10. 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 (www.dell.com/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.

11. Availability and terms of Dell Services vary by region. For more information, visit www.dell.com/servicesdescriptions.

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