Experience outstanding productivity

Power through the most demanding compute and graphics-intensive workloads with the Dell Precision Tower 7910:

- Single or dual Intel® Xeon® processor E5-2600 v4 provide the performance, frequency & cores for the most complex workstation application environments
- Easily manage huge data sets with up to 1TB of 2400MHz of DDR4 ECC memory
- Choose from a broad selection of new professional grade AMD FirePro™ or NVIDIA® Quadro® graphics
- Integrated 12Gb/s SAS/ SATA @6Gbs PCIe hard drive controller
- Dell Precision Optimizer auto-tunes application settings for up to 121% application performance improvement
- Intel CAS-W storage option enables performance that is near solid state drive speeds at a significantly reduced cost versus a full SSD storage solution
- Optional Intel PCIe SSD drives and M.2 PCIe NVMe SSDs on the actively cooled Dell Precision Ultra-Speed Drive Duo and Quad deliver superb read/write throughput, combined with exceptional reliability.
- Optional 12Gb/s PCIe SATA/SAS RAID controllers facilitate data striping and mirroring for increased performance & reliability

Reliability you can count on

- Exclusive Reliable Memory Technology (RMT) PRO maximizes uptime by eliminating virtually all memory errors for more stability
- The result of hundreds of engineering hours and rigorous testing, Independent Software Vendor (ISV) Certifications offer peace of mind that your high performance software applications will run as designed

Best-in-class design

- Straightforward, clutter-free interior provides easy access to components and improved acoustic performance
- The only mainstream tower workstation family to offer an externally accessible tool-less (lockable) power supply for superior serviceability
- A split chassis design for superb air flow, improved acoustics, and serviceability
- Up to 49% acoustic performance improvement Vs predecessor – plus liquid cooling CPU options for even better acoustics under heavy loads
- Ample 1300W power supply supports up to three high-end graphics cards

Exceptional Service & Support

- Rest assured that your Dell Precision workstation will be well protected should an issue arise, with a standard 3 year limited hardware warranty
### Feature

**Precision Tower 7000 Series (7910) Technical Specification**

<table>
<thead>
<tr>
<th>Processor Options</th>
<th>One or two Intel® Xeon® processor E5-2600 v4 Series with up to 22 cores and Intel Advanced Vector Extensions, Intel Trusted Execution Technology, Intel AES New Instructions, Optimized Intel Turbo Boost and optional Intel vPro™ Technology.</th>
</tr>
</thead>
</table>
| Operating System Options | Windows® 10 Professional (64 bit)  
Windows® 8.1 Professional (64-bit)  
Windows® 7 Professional (64-bit)  
Red Hat® Enterprise Linux® 7.0 and 7.2 (required for Xeon E5-2600 v4 CPUs); RHEL 6.5 supported — RHEL 6.8 & for E5-2600 v4.)  
Ubuntu 14.04  
NeoKylin 6.0 (China only) |
| Chipset | Intel® C622 |
| Memory Options | Quad channel memory up to 1TB 2400MHz DDR4 ECC memory with dual CPUs. 16 DIMM Slots (8 DIMMs per CPU). Note: memory speed is dependent on specific Intel Xeon E5-2600 v4 Series processor installed |
| Graphics Options* | Support for 4 PCI Express® x16 Gen 3 graphics cards — up to 675W (total 3 x 225W graphics cards in 3 slots) |
| Storage Options | Support for up to (4) M.2 PCIe SSDs and up to (4) 3.5" SATA or (8) 2.5" SATA/SAS drives. Optional PCIe controller required for RAID 5 support. |

### Storage Controller

- **Integrated**: LSI SAS 3008 12Gb/s SAS (6Gb/s SATA) controller supports software RAID 0, 1, 10 with up to 8 hard drives. 2 integrated Intel controllers (6Gb/s) SATA ports for optical drives.
- **Optional**: LSI MegaRAID SAS 9341-Bi 12Gb/s SAS (6Gb/s SATA) PCIe controller supports software RAID 0,1,5,10. LSI MegaRAID SAS 9361-Bi 12Gb/s SAS (6Gb/s SATA) PCIe controller (1GB cache with flash module/SuperCap backup) supports hardware RAID 0,1,5,10.

### Communications

- **Integrated**: Intel i210 10/100/1000 single port PCIe (x2) Gigabit network card, Intel® X540-T2 10GbE dual port PCIe (x8) network card.

### Audio Controller

- Integrated Realtek ALC3220 High Definition Audio Codec (2 Channel)

### I/O Ports

**Front**
- 3 – USB 2.0  
- 1 – USB 3.0  
- 1 – Microphone  
- 1 – Headphone

**Rear**
- 1 – Audio Line in  
- 1 – Audio Line in/Microphone  
- 2 – RJ45 Network

### Chassis

**Heat**: 16.95 x 8.50 x 20.67"; 43.05cm x 21.59cm x 52.50cm

**Bays**: (1) external slimline optical bay; (4) internal 3.5" bays (support total of (4) 3.5" or (2) 2.5" drives); (1) external 5.25" bay (up to 4 2.5" drives)

**Slots**: (2) PCIe x16 Gen 3 (2) more with 2nd CPU; (1) PCIe x16 Gen 3 (wired as x4 – Slot 1); (1) PCIe x16 Gen 2 (wired as x4); (1) PCIe 32Bit Power Supply: 1300W (input voltage 208-240VAC) - 90% efficient (80PLUS Gold Certified) Externally accessible/removable

### Storage Devices

**Slimline options**: DVD-ROM; DVD+/-RW, Optional 5.25" bay devices: BD, DVD +/-RW; 19-in-1 media reader, 4 x 2.5" HDD/SSD kit

### Monitors

**Dell UltraSharp Monitors** – Award-winning high-performance monitors with PremierColor (on select models) and ultra-wide viewing, from 21.5" - 34" Dell Monitors (P models) available from 19" - 28".

### Security Options

- Trusted Platform Module (TPM 2.0 with Win 10). TPM 1.2 with Win 7/8/10). Chassis Intrusion switch; Setup/BIOS Password; I/O Interface Security; Kensington® lock slot. Padlock ring, lockable power switch; Dell Data Protection: DDP | Security Tools for authentication; DDP | Protected Workspace for malware; DDP | Encryption for data protection

### Regulatory & Environmental

**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 & certifications, see Dell’s regulatory & compliance homepage at dell.com/regulatory_compliance**

### Warranty & Support Services

- 3-Year Limited Hardware Warranty and 3-year NBD On-Site Service after Remote Diagnosis

**Optional**: Dell ProSupport 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

### TAA Configurations

- Yes

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*Some options available only in select regions; ISV certification applies to select configurations 1. A 64-bit operating system is required to support 4GB or more of system memory. 2. GB means 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less. 3. Available in select regions. 4. For copy of LIt Hardware Warranty, write Dell USA LP, Attn: Warranties, One Dell Way, Round Rock, TX 78662 or see www.dell.com/warranty. 5. Remote Diagnosis is determination by online/phone technician of cause of issue; may involve customer access to inside of system or 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: 6. Availability and terms of Dell Services vary by region. For more information, visit www.dell.com/servicesdescriptions. Copyright 2016 Dell Inc. All rights reserved. Intel and Xeon are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States of America and other countries. Microsoft, and Windows are trademarks or registered trademarks of Microsoft Corporation in the U.S. and other countries. Dell disclaims proprietary interest in the marks and names of others. Reproduction in any manner whatsoever without express written permission from Dell Inc. is strictly forbidden.