



Dell Precision Tower 5810 XL

Big power in a compact, innovative design



Experience the evolution of productivity

Power resource-exhausting, graphics-intensive workloads with ease, featuring:

- Dell Precision Optimizer v 2.0, enhances application performance by optimizing settings, for up
- Intel® Xeon® processor E5-1600 v3 product family, including select high-end E5-2600 v3 CPUs, provides the performance and flexibility you need to complete complex tasks quickly.
- Manage large data sets with ease, with up to 256GB^{4,10} of quad-channel 2133MHz DDR4 ECC RDIMM memory.
- Choose from a broad selection of new professional grade AMD FirePro™ or NVIDIA® Quadro® graphics.
- Optional Micron® P420m10¹⁰ PCIe SSD drives deliver superb read throughput, combined with exceptional reliability and remarkable power efficiency.
- 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.

Reduce environmental impact

- Dell Precision Tower 5810 XL is EPEAT®-registered³ and offers ENERGY STAR® configurations, including 80 PLUS®-registered Gold power supplies

Best-in-class chassis design

- Straightforward, clutter-free interior provides superb air flow, easy access to components for serviceability and modifications, and improved acoustics.
- The only mainstream tower workstation family to offer an externally accessible tool-less (lockable) power supply for superior serviceability.
- Integrated front and rear aluminum handles for easy deployment and moves.
- Room for up to (3) 3.5" or (4) 2.5" tool-less hard drives.
- Easy rack mounting via 0U rail shelf kit.

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 warranty⁷

The Precision Experience

Dell makes it easy to choose, buy and own all of the essential accessories you need to enhance your workstation productivity.

- Enjoy outstanding color accuracy, consistency and richness with state-of-the-art Dell UltraSharp monitors with Premier Color (optional color calibrator).

Dell Precision Tower 5810 XL workstation

When you choose an OEM XL product, you receive a Tier 1 platform with the added benefits of improved image stability, advanced notifications of required changes, extended lifecycle transition periods and tailored services and support offerings.

XL Feature	Technical Specification																				
Processor	Intel® Xeon® processor E5-2695 v3; Intel® Xeon® processor E5-2680 v3																				
Options (Class 1)	Intel® Xeon® processor E5-2640 v3; Intel® Xeon® processor E5-2620 v3																				
	Intel® Xeon® processor E5-2609 v3																				
	Intel® Xeon® processor E5-1660 v3; Intel® Xeon® processor E5-1620 v3																				
	Intel® Xeon® processor E5-1603 v3																				
Operating System Options	Genuine Windows® 7 Ultimate for Embedded (32-Bit or 64-Bit)																				
	Genuine Windows® 7 Professional for Embedded (32-Bit or 64-Bit)																				
	Windows® 8.1 Pro (64-Bit),																				
	Genuine Windows® 7 Professional (64-Bit)																				
	Red Hat® Enterprise Linux® 7.0																				
	Ubuntu 12.04 SP1 Linux																				
Chipset (Class 1)	Intel® C612 chipset																				
Graphics ⁶	Support for 2 PCI Express® x16 Gen 2/Gen 3 graphics cards up to 300W (total graphics in 2																				
Options (Class 2)	slots, 685W PSU)																				
	<table border="0"> <tr> <td>High end 3D cards:</td> <td>Mid-range 3D cards:</td> <td>Entry 3D cards:</td> <td>Professional 2D cards:</td> </tr> <tr> <td>NVIDIA® Quadro® K6000</td> <td>AMD FirePro™ W7100¹⁰</td> <td>AMD FirePro 4100</td> <td>NVIDIA Quadro NVS 510¹</td> </tr> <tr> <td>NVIDIA® Quadro® K5200</td> <td>AMD FirePro™ W5100</td> <td>AMD FirePro 2100</td> <td>NVIDIA Quadro NVS 315¹</td> </tr> <tr> <td></td> <td>NVIDIA Quadro K4200</td> <td>NVIDIA Quadro K620</td> <td>NVIDIA Quadro NVS 310¹</td> </tr> <tr> <td></td> <td>NVIDIA Quadro K2200</td> <td>NVIDIA Quadro K420¹⁰</td> <td>NVIDIA Quadro NVS 310¹</td> </tr> </table>	High end 3D cards:	Mid-range 3D cards:	Entry 3D cards:	Professional 2D cards:	NVIDIA® Quadro® K6000	AMD FirePro™ W7100 ¹⁰	AMD FirePro 4100	NVIDIA Quadro NVS 510 ¹	NVIDIA® Quadro® K5200	AMD FirePro™ W5100	AMD FirePro 2100	NVIDIA Quadro NVS 315 ¹		NVIDIA Quadro K4200	NVIDIA Quadro K620	NVIDIA Quadro NVS 310 ¹		NVIDIA Quadro K2200	NVIDIA Quadro K420 ¹⁰	NVIDIA Quadro NVS 310 ¹
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Class 1: Locked

Components locked down for product lifecycle

Components:

- Chipset
- OEM XL Processors
- System boards (PN's)

Class 2: Managed

Components managed throughout the lifecycle, minimum 3-month change notification.

Components:

- BIOS
- CPU and Chipset Stepping
- On-board Storage controller HW
- On-board NIC HW
- Memory Technology
- HDD Capacity
- Graphics Cards

Class 3: Monitored

Components follow the Dell standard refresh cycle.

Components:

- Subcomponents not considered Class 1 or Class 2
- Vendor changes
- Chassis and mechanical changes
- Vendor Part revision level

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; actual capacity varies with preloaded material and operating environment and will be less; 6. Available in select regions; 7. 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; 8. 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; 9. Availability and terms of Dell Services vary by region. For more information, visit www.dell.com/servicesdescriptions; 10. Future availability, Dell PCs use Genuine Microsoft Windows. Intel, the Intel logo, Xeon and Xeon Inside are trademarks or registered trademarks of Intel Corporation in the U.S. and other countries. Microsoft, Windows and Windows Vista are trademarks or registered trademarks of Microsoft Corporation in the U.S. and other countries. 11. Sold separately in select regions



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