

## Dell Delivers Workstations Enabling Professionals to Design Faster

Dell

[Dell](#) [1] announced it has expanded its [workstation](#) [2] portfolio with the most powerful mobile and tower workstations, the Dell Precision M4800, M6800, T3610, T5610 and T7610, designed to seamlessly run the leading content creation, engineering, scientific and other professional software applications. Updated with the latest high-performance, workstation-class processors, graphics, storage, display and other technologies, the new systems demonstrate Dell's continued commitment to delivering unparalleled performance and reliability that creative, engineering and scientific professionals require to quickly develop and realize innovative ideas.

[Ghost Town Media](#) [3], a post-production company, relies on high-performance technology and collaboration to stay on the bleeding-edge of design to create the most robust and unique imagery in the industry - from music videos to visual effects for feature films. "Our latest project is CG-heavy so we needed strong processing power and speed," explained Brandon Parvini, principal and creative director, Ghost Town Media. "We turned to the latest Dell Precision tower and mobile workstations with NVIDIA Quadro professional graphics as we found they provide massive acceleration that facilitate lightning-fast rendering, allowing complex 3D scenes to be rendered in minutes instead of hours."

### The most powerful mobile workstations in the market

Committed to improving the performance and personal experience and interaction with its new Dell Precision M4800 and M6800 mobile workstations, Dell is the first to bring a 15.6-inch [Quad HD+ IGZO](#) [4] panel to the workstation market, with higher resolution than the Apple MacBook Pro Retina display, and the only to offer optional 10-finger Wacom multi-touch on a 17.3-inch display for intuitive control and interaction with creative and design applications. Dell is also the first to offer WiGig wireless docking and has improved audio performance with [WAVES MaxxAudio Pro](#) [5] integration.

The new Dell Precision mobile workstations also deliver the highest performance with up to 16GB[1] of 1866MHz memory, fourth-generation Intel Core i5 and i7 processor options up to Core i7 Extreme Edition, and [AMD FirePro](#) [6] and NVIDIA Quadro professional graphics, with up to 8GB graphics memory[1] on the M6800 configured with NVIDIA Quadro K5100M, for handling complex 3D work, including rendering and simulation.

Both systems also provide superb reliability with all-day battery life[2], including a secondary slice battery, new AMD Enduro and NVIDIA Optimus, and industry-leading endpoint security solutions that include comprehensive encryption, advanced authentication and leading-edge malware protection.

### New tower workstations designed for demanding software applications

Offering an award-winning chassis design and cutting-edge technology, the new Dell Precision tower workstations include next generation workstation-class processors and professional graphics, [Windows 8](#) [7] factory installed, new Intel Cache Acceleration Software, PCIe SSDs and updates to Dell Precision Performance Optimizer. Designed for scientific analysis, professional engineering and complex 3D modeling, the new tower portfolio, adding to the [Dell Precision T1700](#) [8] Small-Form Factor and Mini-Tower, includes the Dell Precision T3610 with advanced single CPU performance, the Dell Precision T5610, a high-power dual-processor workstation in a small footprint, and the Dell Precision T7610, the world's most powerful tower workstation. The T7610 will offer up to 512GB[1] system memory and power up to three high-end graphics cards, including up to two [NVIDIA Quadro K6000s cards](#) [9] starting in October.

Thierry Rouf, Director, [FashionLab](#) [10], said, "We work on the cutting-edge of fashion design, providing designers with sophisticated tools they need to employ the latest 3D technology in their high-end designs, so it's important that we always collaborate with the best. That's why we chose to work closely with Dell for a high-profile event in Paris. The workshop was supported without interruption by the latest high-end Dell Precision tower workstations."

Dell understands its workstation customers have specific needs for their workflows so is updating and offering new tools that enable maximum performance and reliability so they can remain focused on being creative.

- Dell Precision Performance Optimizer - [DPPO](#) [11], the world's first automated workstation performance tool that configures settings based on the software application, will be updated with new profiles for Siemens NX 8.5 and Dassault CATIA and French and German languages starting September 17 via online and factory install on new workstations in October.
- Intel® Xeon Phi™ co-processor 3120A PCIe card - The Intel Xeon Phi coprocessor is a new manycore x86-based computational architecture built for high efficiency and exceptional performance on highly parallel workloads. Offered as a coprocessor on a PCIe card, it works synergistically with Intel® Xeon® Processors to deliver accelerated performance on Dell Precision T7610 tower and R7610 rack workstations.
- PCIe Solid State Drives (SSDs) - Dell is the first to bring [Micron PCIe SSD](#) [12] technology to the workstation market on its tower and rack workstations starting in October. The PCIe SSD is one of the highest performance storage options that merge SSD technology directly with the fast PCIe system communication bus.
- Intel Cache Acceleration Software - Workstation (CAS-W) - Dell has deeply collaborated with Intel to bring to market and tune the first workstation enterprise-grade storage acceleration software application, [Intel CAS-W](#) [13], which improves workstation application performance. It is available exclusively on Dell Precision rack and tower workstations starting in November.

"Dell Precision workstations with the innovative Intel Cache Acceleration Software-Workstation gives a notable performance boost to Autodesk applications," says Maurice Patel, head of Media & Entertainment Industry Marketing, Autodesk. "We have seen a many-fold increase in some of our internal tests. As the demand for larger data sets increase with 4K, stereoscopic projection and next generation consoles, the performance increase will be a great benefit for our 3D animation customers."

As part of [Dell's Technology Partner Program](#) [14], Dell Precision works with the top Independent Software Vendors (ISV) to test and certify the leading software applications including Adobe Creative Suite, [Autodesk Design & Creation Suites](#) [15], [Dassault Systemes](#) [16] CATIA and SolidWorks and [PTC Creo](#) [17], among many others, for maximum uptime and productivity. Additionally, many ISV

partners also leverage Dell Precision workstations to develop and showcase their software capabilities. For example, [PTC](#) [18] uses Dell Precision workstations to power its customer theater with a high-end, three-channel rear-projection active stereo 3D system with tracking that allows visitors to have a hands-on experience using PTC software in an immersive virtual reality environment.

### Pricing & Availability:

The new Dell Precision tower and mobile workstations will be available worldwide on September 12 with US prices[3] starting at \$1,099 for the T3610, \$2,729 for the T5610, \$3,059 for the T7610, \$1,249 for the M4800 and \$1,599 for the M6800. For more information, visit [www.Dell.com/Precision](http://www.Dell.com/Precision) [19] and access the Dell Precision Workstation Advisor for recommended configurations for specific applications and workflows.

### Supporting Quotes

“From designing the fastest F1 racecars to creating the most complex visual effects in Academy-Award® winning films, our workstation customers require the latest cutting-edge technology to run their critical software applications,” said Andy Rhodes, executive director, Dell Precision workstations. “Our new workstation portfolio gives creative, design and scientific professionals even more power, speed and reliability to imagine, create and accelerate their workflows.”

“Our companies have a long history of listening to customers to help deliver technology solutions that help accelerate product development,” said Tom Schorr, Director of Technology Alliances, Dassault Systèmes. “We are excited about the potential for Dell Precision Performance Optimizer to deliver additional value to our customers using Dell Precision workstations for 3D design in CATIA industry workflows.”

“Today professional workstation users get a new set of tools with the announcement of new Dell Precision desktop and mobile workstation solutions powered by AMD FirePro™ workstation graphics,” said David Cummings, senior director and general manager, Professional Graphics at AMD. “AMD has worked closely with Dell to offer exceptional workstation-class graphics processing performance so users can work on more complex/detailed 3D models and work on larger data sets. AMD and Dell recognize the increasing requirement for OpenCL™ (Open Computing Language) support when it comes to workstation productivity with industry-leading applications.”

“Equipped with NVIDIA Quadro GPUs, the industry’s highest-performing[4] and most capable professional graphics, the new Dell Precision workstations will allow creative and design professionals to achieve a level of success that previously was just not possible,” said Sandeep Gupte, senior director of Product Marketing for the Quadro professional graphics business at NVIDIA.

“Dell’s new Precision tower and mobile workstations, now featuring the latest Intel® Xeon® Processor E5-2600 v2 family and 4th generation Intel® Core™ i5 and i7 processors respectively, offer users the opportunity to create, test and modify their ideas as they never have before,” said Frank Soqui, Intel Corporation, Technical Computing Group, Workstation General Manager. “Dell is also the first to offer Intel® Cache Acceleration Software - Workstation and worked closely with Intel to tune it for workstation applications. This innovative caching software uses a solid state drive as a file cache with existing hard drives. This accelerates the storage subsystem to I/O speeds comparable to storage made entirely of solid state drives at a fraction of the cost.”

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### Links:

- [1] <http://www.dell.com/>
- [2] <http://www.dell.com/Learn/us/en/04/campaigns/dell-precision-workstations?c=us&l=en&s=bsd>
- [3] <http://www.ghosttownmedia.com/>
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- [5] <http://en.community.dell.com/dell-blogs/direct2dell/b/direct2dell/archive/2013/09/09/new-waves-maxxaudio-pro-professional-sound-tools-for-professional-workstation-users.aspx>
- [6] <http://en.community.dell.com/dell-blogs/direct2dell/b/direct2dell/archive/2013/09/09/amd-firepro-professional-graphics-and-dell-precision-workstations.aspx>
- [7] <http://blogs.windows.com/windows/b/extremewindows/>
- [8] <http://www.dell.com/us/business/p/precision-t1700-workstation/pd>
- [9] <http://blogs.nvidia.com/blog/2013/08/14/how-the-quadro-k6000-changes-the-face-and-pace-of-visual-workflows/>
- [10] <http://fashionlab.3ds.com/>
- [11] <http://www.dell.com/learn/us/en/04/campaigns/precision-dppo>
- [12] <http://en.community.dell.com/dell-blogs/direct2dell/b/direct2dell/archive/2013/09/09/pcie-ssds-high-performance-storage-for-workstation-applications.aspx>
- [13] <http://en.community.dell.com/dell-blogs/direct2dell/b/direct2dell/archive/2013/09/09/new-intel-cas-w-accelerating-software-application-performance.aspx>
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