

**DELL**Technologies

THE #1 WORKSTATIONS IN THE WORLD\*.

# Dell Precision Workstations



## MAKE GENIUS REAL

Dell Precision delivers versatile designs, intelligent performance and mission critical reliability to conquer the industry's most demanding applications. From award-winning filmmakers and animators to state-of-the-art architects and engineers our expansive professional portfolio enables you to customize the workstation and optimize them for your creative expertise. Learn more at [DellTechnologies.com/Precision](https://DellTechnologies.com/Precision)

\* Source: IDC Quarterly WW Workstation Industry Share Tracker, Q4 2019 (based on units)

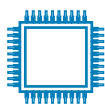
# Why choose Dell Precision workstations



## INNOVATIVE DESIGN

Every Dell Precision is engineered with features you need to bring your biggest ideas to life. We know this, because you told us in our customer advisory councils and during conversations with our sales teams.

Experience unrestrained innovation with the new thinner, lighter, premium-designed mobile workstations which feature InfinityEdge, UHD, HDR, and Touch display options and advanced thermal technologies that allow you to keep your system running at high speeds for longer. Unique designs in multiple form factors deliver ultimate scalability including rack workstations, small form factor and mini-tower workstations, and our mid and high-end towers that have FlexBays and multichannel thermals that provide for easy part replacements as well as advanced cooling and outstanding acoustics, respectively.



## INTELLIGENT PERFORMANCE

Your extraordinary ideas deserve the exceptional power of the number one workstations in the world. Dell Precision delivers maximum performance with professional processors and graphics and feature massive memory and expansive storage options.

Dell Optimizer for Precision software, exclusive to Dell, is the only AI-based performance optimizer software in the industry that automatically tunes your workstation using machine learning, delivering ExpressResponse for optimized application performance, ExpressCharge for faster battery charging and utilization and ExpressSign-in to get you up and running quickly.

Businesses can manage an end-user's system based on centralized IT policies from an IT management console, such as SCCM and remotely gather analytics from a single user or a group of users to create performance, reliability and usage reports to assess, plan and address resource needs.



## MISSION CRITICAL RELIABILITY

Dell invests thousands of hours with Independent Software Vendors (ISV) rigorously testing our Dell Precision workstations so we can deliver a tested and fully optimized workstation to you. These software partners team with us and customers to give the best user experience possible. Learn more about ISV Certifications at <http://precisionworkstations.com/>

Dell exclusive Reliable Memory Technology Pro software provides another layer of protection beyond ECC memory, which automatically fixes single bit memory errors. RMT Pro identifies and maps out bad memory sectors on the DIMM so they aren't accessed again, which helps avoid memory errors and blue screens. The software also warns the user when DIMMs are at a critical point to failure and need replaced.

Our mobile systems are MIL-SPEC tested to ensure they are robust and can handle typical wear and tear that comes with traveling. Also, Dell ProSupport Plus is the most complete service and support offering in the industry, so you can have both quality products and the ultimate services to go along with them.



## IMMERSIVE PRODUCTIVITY

Dell Precision workstations are the foundation of virtual and augmented reality content creation and advanced commercial visualization. Our broad Ready for VR portfolio combined with the Dell Technology Partner Program are bringing futuristic efficiency and innovation to every office. Dell Precision workstations also deliver the power to deploy and manage cognitive technology platforms including machine learning, data science and artificial intelligence to help businesses solve complex problems and gain actionable insights from their data.

# Dell Precision mobile workstations

POWER AS BIG AS YOUR IDEAS

## DELL PRECISION 7550 AND 7750



Dell's most powerful 15" and 17" mobile workstations are now smaller and have been designed to be Ready for VR and AI, combining maximum performance with exceptional mobility. Experience the extraordinary power with customizable components, including up to Intel® Xeon® and Core™ i9 processors, professional high-end graphics from NVIDIA®, up to 8TB of storage, and 128GB of high capacity 2933MHz memory or 64GB of 3200MHz SuperSpeed memory. ECC memory is available and customers can benefit from Dell exclusive Reliable Memory Technology Pro and obtain another layer of reliability against memory related errors. Also, get up to an HDR 600 with PremierColor (up to 800 nits), ambient sensing, low blue light filter displays for an optimized viewing experience. With ExpressSign-in your workstation will recognize you when you come and go and wake or lock your system accordingly.

## DELL PRECISION 5750



Beauty meets performance with the world's smallest, thinnest and lightest 17" mobile workstation. This brand new workstation features up to Intel® Xeon® and Core™ processors, ECC memory options (up to 64GB of 2933MHz) with RMT Pro, up to NVIDIA Quadro RTX™ 3000 graphics and Dell Optimizer for Precision. The 4-sided InfinityEdge 16:10 aspect ratio display has low blue light filter and ambient sensing display options and offers up to HDR 400 with PremierColor. The 5750 is powerful enough for VR development and has 4TBs of storage (with RAID) available for your heavy data projects. The 5750 features ExpressSign-in, which wakes or locks your system when you enter or leave the room.

## DELL PRECISION 5550



Visually amazing to look at in every way, our smallest, thinnest, & lightest 15" mobile workstation comes with a light-weight carbon fiber plamrest and an aluminum body. Experience better contrast ratios, touch support and amazing picture quality with an 4-sided InfinityEdge HDR 16:10 aspect ratio display option, with blue light filter. This system starts at 4lbs and is more powerful than ever with the latest professional NVIDIA Quadro® graphics, and up to 64GB of 2933MHz DDR4 memory (ECC with RMT Pro available). Access, transfer and store large 3D, video and multimedia files quickly and easily with up to 4TB of storage (RAID available), a feat rarely seen on mobile workstations with such a thin and light frame.

## DELL PRECISION 3550 AND 3551



These small and customizable 15" mobile workstations have the power of a workstation at a price comparable to a PC. Enjoy workstation-level performance with Intel® processors (Intel® Xeon® is available on the 3551) and fast memory (up to 64GB at 2933MHz) and storage (up to 4TB) options. Keep your creative juices flowing with professional NVIDIA® graphics, and create and edit your work in outstanding clarity when working in CAD applications or heavy Excel spreadsheets. These systems are ISV certified, so you are ensured they will power key industry software packages.



# Dell Precision tower workstations

SCALABLE, HIGH PERFORMANCE TOWERS

## DELL PRECISION 7920 TOWER



Our most powerful and scalable, AI-Ready workstation. The 7920 Tower is great for customers who are running complex application environments including interactive design, analysis, data science and exploration of very large data sets, as well as emerging applications/workloads like artificial intelligence and xReality. A versatile split chassis design features tool-less front access FlexBays and delivers maximum storage expandability, up to 136TB, and front access to hot-swap PCIe NVMe™ drives (with RAID option and lockable HDD sleds). Discover the revolutionary multichannel thermal cooling which allows your system to run at top speeds without overheating and provides for outstanding acoustics. Power through the most demanding applications with single or dual multi-core processors (up to 2 Intel® Xeon™ CPUs, up to 28 Cores per CPU), Ready for VR with professional Radeon™ Pro or NVIDIA Quadro RTX™ graphics (up to 3 x 300W cards) and up to 3TB of 2666MHz memory with select processors.

## DELL PRECISION 7820 TOWER



Get amazing performance in a more compact design with single or dual processors (up to 28 Cores per CPU) and up to 768GB of 2933MHz memory. The 7820 Tower is ideal for engineers, designers analyst and data scientists whose application mix includes multi-threaded, compute intensive analysis, simulation and rendering applications requiring high CPU core counts. Choose from a range of Ready for VR professional Radeon™ Pro or NVIDIA Quadro RTX™ graphics with support for up to dual 300W graphics power. The innovative tool-less chassis design provides for easy access FlexBays with exceptional storage expandability (up to 68TB) and front access to hot-swap PCIe NVMe™ drives. Experience longer lasting high-end performance with advanced cooling and acoustics through the revolutionary multichannel thermal design.

## DELL PRECISION 5820 TOWER



Big power in a compact, innovative tower design with powerful processors and up to 512GB of 2666MHz or 256GB of 2933MHz DDR4 ECC memory. Ride the speed of Ready for VR professional Radeon™ Pro or NVIDIA Quadro® graphics with support for up to dual 300W of graphics power. The 5820 Tower is ideal for professional users working with graphics and data-intensive design applications that require higher core counts and high-end graphics support in a single socket architecture. The tool-less chassis with the FlexBay design supports a range of modules including scalable storage, up to 68TB. Also, stay cool under pressure with the revolutionary multichannel thermal design.

## DELL PRECISION 3640 TOWER



Get unmatched performance and affordability in an expandable tower design that is perfect for content creators and engineers working with 3D or complex 2D graphics, as well as power users working with large data sets and complicated analysis that require ISV certification. The compact design delivers a smaller footprint without sacrificing performance. Leverage the latest Intel® Core™ and Xeon® processors with Radeon™ Pro or NVIDIA® professional-grade graphics to bring your ideas to reality. Delivering projects or analyzing workloads is now faster than ever with up to 128GB at 2933MHz memory speed. Secure scalable storage with SATA™ or PCIe NVMe™ SSD options (up to 30TB and RAID) which deliver plenty of room for just about any project.

# Dell Precision SFF and rack workstations

SMALL FORM FACTOR DESKTOPS AND SECURE RACKS

## DELL PRECISION 3440 SMALL FORM FACTOR



Obtain outstanding performance and affordability in a small desktop design. Ideal for space-constrained workspaces, the industrial small form factor has several mounting options and includes optional WiFi capabilities and a range of accessible ports to keep you connected to everything you need. Get professional performance for design, as well as other basic creative applications with up to 128GB of memory (2933MHz), as well as scalable storage options up to 10TB (6TB SSD + 4TB HDD). Certified to run professional applications with Radeon™ Pro or NVIDIA Quadro® professional graphics with up to 75W of graphics support. The 3440 SFF is available with Intel® Xeon® processors, ECC memory and Reliable Memory Technology Pro.

## DELL PRECISION 3240 COMPACT



The new 3240 Compact is an ultra small form factor workstation that is great for the tightest workspaces and even edge computing. This small, but powerful system is capable of pushing up to 7 displays and is VR Ready, with an optional NVIDIA Quadro RTX™ 3000 graphic card. Multiple mounting options and dust and wire covers provide the flexibility to place this device almost anywhere.

## DELL PRECISION 7920 RACK



Experience the highest level of secure remote access and ultimate workstation performance in a sleek 2U rack industrial design. Featuring 24-hour access for multiple users (1:1) and 1 or 2 multi-core processors with up to 28 cores per CPU. Get exceptional Ready for VR professional graphics and optional RAID with up to 8 M.2 PCIe NVMe™ SSDs drives (up to 80TBs of total storage). Also, the system's memory is extremely scalable with up to 3TB of 2666MHz available with select processors. The Integrated Dell Remote Access Controller (iDRAC) allows you to deploy, update, monitor and maintain remote workstations with ease.

## DELL PRECISION 3930 RACK



Meet the world's most powerful 1U rack workstation that features secure remote 1:1 user access, impressive affordability and workstation-class performance. A short-depth and narrow design delivers better rack density and a smaller footprint that is ideal for space-limited workspaces and will seamlessly integrate into your data center while allowing for direct assimilation within OEM solutions. The 3930 Rack offers outstanding expandability with the available PCIe slots, support for PCI legacy cards and up to 24TB of storage. Also, features Intel® Xeon® processor (8-core), up to 128GB of 2666MHz of memory and professional graphics from AMD or NVIDIA®.

# Recommended Accessories

SMART SOLUTIONS TO HELP YOU WORK MORE EFFECTIVELY.



## PRECISION THUNDERBOLT DOCK | WD19TB

Work at full speed with Dell's Thunderbolt dock. Charge your system faster, display up to two 4K monitors, and connect your peripherals via a single cable.



## DELL PERFORMANCE DOCK | WD19 DC

Dell's most powerful dock delivers the ultimate productivity experience for 7000 Series mobile workstations. Charge your system faster, display up to three 4K monitors, and connect your peripherals via a single cable with dual USB-C connectors.



## DELL PREMIER WIRELESS KEYBOARD AND MOUSE | KM717

Enhance productivity with a comfortable keyboard and a mouse that can scroll on almost any surface (including glass and high gloss). Dual mode connectivity (Bluetooth and USB receiver) allows you to pair up to 3 devices.



## 3DCONNEXION SPACEMOUSE WIRELESS

3Dconnexion's patented 6-Degrees-of-Freedom (6DoF) sensor is specifically designed to manipulate digital content or camera positions in the industry-leading CAD applications. Simply push, pull, twist or tilt the 3Dconnexion controller cap to intuitively pan, zoom and rotate your 3D drawing.



## DELL ULTRASHARP 27 4K PREMIERCOLOR MONITOR WITH A HOOD | UP2720Q

Create on your terms with the world's first 27" CalMAN Ready\* 4K monitor with built-in colorimeter and Thunderbolt™ 3. The well designed hood snaps firmly to the monitor via magnets and is covered in material that effectively absorbs ambient light.

\*CalMAN license required, sold separately



## DELL ULTRASHARP 32 8K MONITOR | UP3218K

Experience realistic images like never before on the award-winning, world's first 31.5" 8K monitor featuring Dell PremierColor.



## DELL PRO BACKPACK 17 | PO1720P

Protect your notebook and accessories with this lightweight backpack that is made with shock-absorbing EVA foam and Dell's EcoLoop™ solution dyeing process.



## DELL PORTABLE SSD, USB-C 250GB

Remarkably slim and compact, the Dell Portable SSD, USB-C 250GB provides fast transfer speeds up to 550MB per second\* and high quality, reliable SSD storage.

\*Based on Dell internal testing using included cable and connected to Dell PCs supporting USB 3.1 Gen 2.



## X-RITE COLORIMETER i1DISPLAY PRO

The i1Display Pro ensures a perfectly calibrated and profiled display while delivering the speed, options and flexibility needed to maintain color accuracy.

# Built for business

## Experience a new way to work with Dell Technologies Unified Workspace Intelligence built in. Modernization built on.

We know that having the right device is just the start to a great workday. Employees need intelligent, intuitive and responsive experiences that allow them to work productively and without interruption. According to research, 1 out of every 4 users would question their job and the company they work for if they had a negative experience with their technology.<sup>1</sup> Dell Technologies Unified Workspace is transforming the employee experience and ensuring IT has proactive, predictive and automated solutions to deliver on the promise of a modern workday, while simplifying their ability to deploy, secure, manage and support their environment.



### DEPLOY

ProDeploy in the Unified Workspace allows IT to move away from traditional, high-touch, manual deployment, and instead, ship devices preconfigured with company apps and settings from the Dell factory directly to their end users—having end users up and working on day one.



### SECURE

Dell Trusted Devices provide a foundation to a modern workforce environment with invisible and seamless protection to ensure smarter, faster experiences. End users stay productive and IT stays confident with modern security solutions for the Dell Trusted Device.



### MANAGE

Dell Client Command Suite + VMware Workspace ONE offers integrated capabilities that deliver a unified endpoint management experience for IT, enabling them to manage firmware, OS, and apps from one console, while also creating seamless experiences for end users.



### SUPPORT

ProSupport resolves hardware issues up to 11x faster than the competition. ProSupport for PCs offers 24x7 access to in-region ProSupport engineers who contact IT when critical issues arise,<sup>2</sup> so you can focus on what's next, not what just happened. ProSupport Plus helps IT stay a step ahead and virtually eliminate unplanned downtime due to hardware issues. You get all the capabilities of ProSupport, as well as AI-driven alerts to prevent failures and repairs for accidents.<sup>3</sup>

<sup>1</sup> ESG Research Report. 2019 Digital Work Survey. December 2019.

<sup>2</sup> Based on a Principled Technologies test report, "Spend Less Time and Effort Troubleshooting Laptop Hardware Failures" dated April 2018. Testing commissioned by Dell, conducted in the United States. Actual results will vary. Full report: <http://facts.pt/L52XKM>

<sup>3</sup> Based on a Principled Technologies test report, "Dell ProSupport Plus with SupportAssist warns you about hardware issues so you can fix them before they cause downtime" dated April 2019. Testing commissioned by Dell, conducted in the United States. Actual results will vary. Full report: <http://facts.pt/0xvze8>. Hardware issues detected by SupportAssist include hard drives, solid state drives, batteries and fans.



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## Make Genius Real



Some options available only in select regions; ISV certification applies to select configurations:

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

2 A 64-bit operating system is required to support 4GB or more of system memory.

3 System memory may be used to support graphics, depending on system memory size and other factors.

4 Hard Drive capacity varies with preloaded material and will be less.

Limited Hardware Warranty ([www.dell.com/warranty](http://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.

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