Dell Precision Tower 3000 Series (3620)

Workstation performance and reliability in an expandable mini tower

The Dell Precision Tower 3000 Series is a fully customizable, entry workstation certified to run professional applications ideal for people who need the performance and reliability, but felt a workstation was out of their budget.

Every Dell Precision is designed around innovation, performance and reliability. We understand the importance of time and workflow for all professional creators. With this in mind we design technology with the most innovative performance technologies, and work with our software partners to test and certify all Dell Precisions, so that we maximize performance and minimize downtime.

Powerful performance

Professional software applications and the time it takes you to render, model, and process are all key factors to your creativity. Every Dell Precision comes with the exclusive Dell Precision Optimizer installed. This unique software, which can be centrally managed using your existing System Center Configuration Manager (SCCM) console, enables users to experience increased application performance and productivity from their Dell Precision workstation by automatically adjusting system settings based on the needs of specific professional software applications. The Dell Precision Tower 3000 Series includes the latest 6th Generation Intel® Core™ and Intel®

Xeon™ processors, NVIDIA Quadro® or AMD FirePro™ professional graphics card, new NECC and ECC DDR4 memory, and models available with Thunderbolt® 2 to provide you with the performance to make the most of your time. A new addition to the entry workstation is optional PCIe SSD storage. This storage is the fastest storage available.

Outstanding reliability

The software applications that many industries use to create demand computers that are stable and reliable. 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. We partner with companies like Autodesk, Adobe, and Solidworks and many others to ensure your Dell Precision workstations work harmoniously with your software, as well as improve the quality of technical support you will receive in the event that you need it. If you do need technical support, Dell ProSupport Plus is the most complete service and support offering in the industry.

Recommended accessories

Dell offers a complete portfolio of recommended accessories for your Dell Precision workstations. These accessories include the world's #1 Dell monitor brand, industry-specific peripherals, keyboards and mice.

Feature	Precision Tower 3000 Series (3620) Technical Specification				
Processor Options[1]	Intel® Xeon® Processor E3-1200 v5 Family; 6th generation Intel® Core™ i7 and i5. Intel Turbo Boost technology[5] and Intel Integrated HD Graphics on select Processors; optional vPro™ Technology				
Operating System Options[2]	Windows® 10 Professional (64 bit) Windows® 10 Home (64 bit) Windows® 8.1 Professional (64-Bit) Windows® 8.1 Home (64 bit)		Windows® 7 Professional (32-Bit) (coming soon) Windows® 7 Professional (64-Bit) Red Hat® Enterprise Linux® 7.2 (coming soon) Ubuntu Linux 14.04 NeoKylin 6.0 (China only)		
Chipset	Intel® C236 Chipset				
Memory Options[3]	4 Dimm Slots; Up to 64GB 2133Mhz Non-ECC DDR4 Memory; Up to 64GB 2133Mhz ECC DDR4 Memory				
Graphics Options[3]	One PCI Express® x16 Gen 3 Graphics card up to 150W (Total for Graphics) (Some cards available in Dual Config)				
	Mid - High Range 3D cards: AMD FirePro W7100 AMD FirePro W5100 NVIDIA Quadro M4000 NVIDIA Quadro K2200		**Entry - Mid Range 3D cards:** AMD FirePro W4100 AMD FirePro W2100 NVIDIA Quadro K620 NVIDIA Quadro K420	**Professional 2D cards:** NVIDIA NVS 510 NVIDIA NVS 315 NVIDIA NVS 310 Intel HD Graphics 530/P530	
Storage Options[4]	Support for up to (1) M.2 PCIe SSD and Up to (2) 3.5" SATA or (4) 2.5" SATA. Support for Intel Ready Mode technology				
	M.2 PCIe SSD Up to (1) 1TB	**2.5" SATA SSD** Up to (4) 512GB	**2.5" SATA 7200 RPM** Up to (4) 1TB 7200 RPM	**3.5" SATA** Up to (2) 4TB 5400 RPM Up to (2) 2TB 7200 RPM	**Self Encrypting Drives** 500 GB 7200 RPM or 512GB 2.5" SSD
Storage Controller	**Integrated:** Intel Rapid storage Controller 12.0 supporting SATA 6Gb/s and host based RAID 0/1/5/10				
Communications	**Integrated:** Intel Ethernet Connection I219-LM 10/100/1000 **Optional:** Intel 10/100/1000 PCIe Gigabit Networking card				
Audio Controller	Integrated Realtek ALC3861 High Definition Audio Codec (2 Channel)				
Speakers	Internal Speaker; Optional Dell 2.0 stereo speaker systems available and Dell sound bar for select flat-panel displays				
Add-in cards	Optional Thunderbolt 2 PCIe Card (coming soon) Optional 1394 a/b PCIe Card (3 Ports – 2x 1394b + 1x 1394a)			Optional Serial/Parallel Port PCIe Card	
I/O Ports	**Front** 2 – USB 2.0 2 – USB 3.0 1 – Microphone 1 – Headphone		**Internal** 2 – USB 2.0 4 – SATA 6Gb/s	**Rear** 2 – USB 2.0 4 – USB 3.0 2 – PS2 2 – DisplayPort 1 – HDMI 1 – RJ45 Network Connector 1 – Serial 1 – Audio Line in/Microphone 1 – Audio Line out	
Chassis	**HxWxD:** 14.17" x 6.89" x 17.12" (36cm x 17.5cm x 43.5cm) **Bays:** (2) internal 3.5" bays - supports (2) 3.5" or (4) 2.5" drives; (2) external 5.25" optical bays **Slots:** (1) Full Height PCIe x16 Gen3; (1) Full Height PCIe x16 Gen 3 (wired x4); (1) Full Height PCIe x1 Gen3; (1) Full Height PCI; (1) M.2 (22x80 mm) **Power Supply:** 365W 90% efficient PSU (80PLUS Gold Certified Certified) Energy Star compliant; 290W 85% efficient PSU (80PLUS Bronze Certified) Energy Star Compliant				
Storage devices	Optional: Up to 2 optical drives: DVD-ROM; DVD+/-RW, Blu Ray Writer, 19-in-1 Media Card reader installed in 5.25" bay				
Security Options	Trusted Platform Module TPM 1.2 (TPM 2.0 - firmware upgradable) Dell Data Protection| Security Tools, Dell Data Protection| Encryption, Dell HW Crypto Accelerator, Microsoft Windows Bitlocker, Local HDD data wipe via BIOS ("Secure Erase"), Encryption - SED HDD (Opal FIPS), Chassis lock slot support, Chassis Intrusion Switch, D-Pedigree (Secure Supply Chain Functionality), Setup/BIOS Password, Optional Smart Card keyboards, Intel® Trusted Execution Technology, Intel® Identity Protection Technology, Dell Secure Works, BIOS support optional Computrace[5] , Intel Software Guard extensions				
Systems Management[6]	Dell Client Command Suite; Out of Band management support via vPro				
Regulatory & Environmental	ENERGY STAR® configurations available including 80 PLUS® Platinum 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[7]	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	TAA Configurations Available				