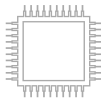




Workstation performance and reliability in a space saving small form factor.

DELL PRECISION TOWER 3000 SERIES (3420)



Powerful performance

The Dell Precision Tower 3000 Series has the power of a workstation at a price comparable to a PC. Fully customizable with your choice of 7th Generation Intel® Core™, 6th Gen Intel® Core™ or Intel® Xeon® E3-1200 v5 processors.



Innovative design

The Dell Precision 3420 SFF is the smallest workstation we have ever created. At 6%* smaller than its predecessor, it delivers a smaller footprint with even more performance than ever.



Latest technology

Featuring choice of NVIDIA Quadro® or AMD FirePro™ professional graphics card, faster NECC and ECC DDR4 memory and optional Thunderbolt® 2 add-in card to provide you with the performance to make the most of your time.



Outstanding reliability

Precision Workstations are tested (Independent Software Vendor certified) to ensure the high-performance applications you rely on every day run smoothly. In addition, every Dell Precision comes with the exclusive Dell Precision Optimizer, which automatically tunes your Workstation to run some of the most popular (ISV) applications at the fastest speeds possible.

Features & Technical Specifications



Feature	Precision Tower 3000 Series (3420) Technical Specifications
Processor Options ¹	7th generation Intel® Core™ i7, i5, 6th generation Intel® Core™ i7, i5 and i3; Intel® Xeon® Processor E3-1200 v5 Family; 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) (w/6th Gen Intel CPU) Windows® 8.1 Home (64 bit) (w/6th Gen Intel CPU) Windows® 7 Professional (32-bit) (w/6th Gen Intel CPU) Windows® 7 Professional (64-Bit) (w/ 6th Gen Intel CPU) Red Hat® Enterprise Linux® 7.2 (w/ 6th Gen Intel CPU) Red Hat® Enterprise Linux® 7.3 Ubuntu Linux 14.04 (w/ 6th Gen Intel CPU) Ubuntu Linux 16.04 (w/ 7th Gen Intel CPU) NeoKylin 6.0 SP2 (China only) (w/ 6th Gen Intel CPU) NeoKylin 6.0 SP3 (China only) (w/ 7th Gen Intel CPU)
Chipset	Intel® C236 Chipset
Memory Options ³	4 Dimm Slots; Up to 64GB 2400Mhz Non-ECC & ECC DDR4 Memory (2400Mhz memory clocks down to 2133Mhz when paired with 6th Gen Intel Processors) One PCI Express® x16 Gen 3 Graphics card up to 50W
Graphics Options ³	Entry 3D cards: AMD FirePro W4100 AMD FirePro W2100 NVIDIA Quadro K1200 NVIDIA Quadro K620 NVIDIA Quadro K420 Professional 2D cards: NVIDIA NVS 510 NVIDIA NVS 315 & Dual 315 NVIDIA NVS 310 Intel HD Graphics 530/P530 (w/ 6th Gen Intel CPU) Intel HD Graphics 630/P630 (w/7th Gen Intel CPU)
Storage Options ⁴	Support for up to (1) M.2 PCIe SSD and Up to (1) 3.5" SATA or (2) 2.5" SATA. Support for Intel Ready Mode technology Support for up to (1) additional PCIe SSD on Dell Precision Ultra-Speed drive (x8) with active cooling M.2 PCIe SSD (NVMe) Up to (1) 1TB on M/B Up to (1) 1TB on Dell Precision Ultra-Speed drive 2.5" SATA SSD Up to (2) 512GB 2.5" SATA 7200 RPM Up to (2) 1TB 7200 RPM 3.5" SATA Up to (1) 4TB 5400 RPM Up to (1) 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
Communications	Integrated: Intel Ethernet Connection I219-LM 10/100/1000 Optional: Intel 10/100/1000 PCIe Gigabit Networking card Optional: Intel Wireless 802.11ac card (No Bluetooth)
Audio Controller	Integrated Realtek ALC3234 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 Optional 1394 a/b PCIe Card (3 Ports – 2x 1394b + 1x 1394a) Support for up to (1) additional PCIe SSD on Dell Precision Ultra-Speed drive (x8) with active cooling Optional Serial Port PCIe Card Optional Parallel Port PCIe Card

Feature	Precision Tower 3000 Series (3420) Technical Specifications
	<p>Front 2 – USB 2.0 2 – USB 3.0 1 – Universal Audio Jack 1 – Internal SD Card reader (Optional)</p> <p>Internal 3 – SATA 6Gb/s</p>
I/O Ports	<p>Rear 2 – USB 2.0 4 – USB 3.0 2 – PS2 2 – DisplayPort 1 – HDMI 1 – RJ45 Network Connector 1 – Serial 1 – Audio Line out 1 – VGA Connector (Optional)</p> <p>HxWxD: 11.42" x 3.65" x 11.5" (29cm x 9.26cm x 29.2cm)</p>
Chassis	<p>Bays: (1) internal 3.5" bay - supports (1) 3.5" or (2) 2.5" drives ; (1) external slimline optical bay Slots: (1) half height PCIe x16 Gen3; (1) half height PCIe x4 Gen 3; (1) M.2 (22x80mm) Power Supply: 240W 92% efficient PSU (80PLUS Platinum Certified) Energy Star Compliant; 180W 85% efficient PSU (80PLUS Bronze Certified) Energy Star Compliant</p>
Storage devices	Optional: 1 Slim optical drive: DVD-ROM; DVD+/-RW; Blu Ray Writer; Optional Internal SD Card reader
Security Options⁵	Trusted Platform Module [®] TPM 1.2/2.0, 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, Lockable Port Cover, 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 ⁷ , Intel Software Guard extensions
Systems Management⁶	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 Services⁷	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

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 GB means 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less.

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 Computrace is not a Dell offer. Certain conditions apply. For full details, see terms and conditions at www.absolute.com/en/about/legal/agreements.

⁶ Systems Management Options: Intel[®] vPro Technology - Fully vPro-capable at point of purchase; the vPro systems management option requires vPro processors. Includes support for Intel Advanced Management Technology (AMT) 9.x. Intel[®] Standard Manageability - Fully enabled at point of purchase, the Intel Standard Management option is a subset of the AMT features. ISM is not upgradeable to vPro technology post-purchase. No Out-of-Band Systems Management - This option entirely removes Intel out of band systems (OOB) management features. The system can still support in band management. OOB management support through AMT cannot be upgraded post-purchase.

⁷ Availability and terms of Dell Services vary by region. For more information, visit Dell.com/servicecontracts/global; Limited Hardware Warranty available by writing Dell USA LP, Attn: Warranties, One Dell Way, Round Rock, TX 78682 or see www.dell.com/warranty; Onsite Service after Remote Diagnosis: 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 (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.

Essential Accessories



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Dell 24 Ultra HD 4K
Monitor | P2415Q



Dell Wireless Keyboard &
Mouse – KM714



Dell Dual Monitor Stand



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