DELL Technologies

PRECISION 3650 TOWER

Ready to build the next big thing.

SPACE-SAVING DESIGN

Get incredible, scalable performance and reliability in a small tower design. A range of easy-to-reach ports on the front and back of the system keep you connected to everything you need while the optional Smart Card reader seamlessly keeps your IP secure.

IMMERSIVE PRODUCTIVITY

Create VR content without limits with Radeon™ Pro or NVIDIA® professional-grade graphics with up to 350W TDP of graphics supports. Scalable, RAID capable storage with SATA® or PCIe NVMe™ SSD options up to 32TB deliver plenty of room for every project.

INTELLIGENT PERFORMANCE

Power through intensive tasks easily with 11th Generation Intel® Core™ or Xeon® processors and get real-time results with up to 128GB of faster 3200Mhz UDIMM memory (ECC memory optional). Dell Optimizer for Precision uses AI to tune your workstation to provide the best performance for the applicationsyou use most, while providing intelligent audio and an optimized WiFi connection.

MISSION-CRITICAL RELIABILITY

All Dell Precision workstations are Independent Software Vendor (ISV) certified to ensure the high-performance applications you rely on every day run smoothly. Also, with Xeon® processors you can get Error Correcting Code (ECC) memory which identifies and corrects single bit memory errors. Our exclusive Reliable Memory Technology Pro works on top of ECC memory to identify and map out bad memory sectors and will alert you when the memory is at a critical level and needs replaced - providing layers of protection against memory related errors and blue screens.

Recommended Accessories

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DELL PREMIER WIRELESS KEYBOARD AND MOUSE | KM5221W

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.

DELL ULTRASHARP 27 4K MONITOR | U2720Q

Experience captivating details and true-to-life color reproduction on this brilliant 27" 4K monitor with the widest color coverage in its class[5].

PRECISION MINI-TOWER DUST FILTER

Custom built for your Precision, the external dust filter keeps your internal components clean and running smoothly. It is easy to install and rinse clean.

DELL PRO STEREO SOUNDBAR | AE515M

Optimize your conference calls, multimedia streaming and gaming with this 5W RMS Microsoft® Skype® for Business certified soundbar.

DELL ULTRASHARP 34 CURVED USB-C HUB MONITOR | U3421WE

Productivity never looked so good. Archieve more with this immersive 34" curved monitor with wide color coverage and extensive connectivity including RJ45, USB-C and quick access front ports.

PRECISION MINI-TOWER CABLE COVER

Reduce clutter and provide secure cable management for your Precision with custom built cable cover.

WIRED MOUSE WITH FINGERPRINT READER

Safeguard your identity and login instantly without needing to remember complex passwords when you use the Dell Wired Mouse with Fingerprint Reader.

JABRA EVOLVE 75

With the ambient noise cancellation feature of this wireless headset you can hear every word clearly on your next call.

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.

Features & Technical Specifications

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Feature	Precision 3650 Tower Technical Specifications
Processor Options[1]	10th Generation Intel® Core™ i3-10100, 6 MB Cache, 4 Core, 3.6 GHz to 4.3 GHz 65W TDP 10th Generation Intel® Core™ i3-10105, 6 MB Cache, 4 Core, 3.7 GHz to 4.4 GHz, 65W TDP 10th Generation Intel® Core™ i5-10505, 12 MB Cache, 6 Core, 3.2 GHz to 4.6 GHz 65W TDP 10th Generation Intel® Core™ i5-10600, 12 MB Cache, 6 Core, 3.3 GHz to 4.8 GHz 65W TDP 10th Generation Intel® Core™ i5-10600K, 12 MB Cache, 6 Core, 4.1 GHz to 4.8 GHz 125W TDP 10th Generation Intel® Core™ i7-10700, 16 MB Cache, 8 Core, 2.9 GHz to 4.8 GHz 65W TDP 10th Generation Intel® Core™ i7-10700K, 16 MB Cache, 8 Core, 3.8 GHz to 5.1 GHz 125W TDP 10th Generation Intel® Core™ i9-10900, 20 MB Cache, 10 Core, 2.8 GHz to 5.2 GHz 65W TDP 10th Generation Intel® Core™ i9-10900K, 20 MB Cache, 10 Core, 3.7 GHz to 5.3 GHz 125W TDP 10th Generation Intel® Xeon® W-1250, 12 MB Cache, 6 Core, 3.3 GHz to 4.7 GHz 80W TDP 10th Generation Intel® Xeon® W-1250P, 12 MB Cache, 6 Core, 4.1 GHz to 4.8 GHz 125W TDP 10th Generation Intel® Xeon® W-1270, 16 MB Cache, 8 Core, 3.4 GHz to 5.0 GHz 80W TDP 10th Generation Intel® Xeon® W-1270P, 16 MB Cache, 8 Core, 3.8 GHz to 5.1 GHz 125W TDP 10th Generation Intel® Xeon® W-1290, 20 MB Cache, 10 Core, 3.2 GHz to 5.2 GHz 80W TDP 10th Generation Intel® Xeon® W-1290P, 20 MB Cache, 10 Core, 3.7 GHz to 5.3 GHz 125W TDP 11th Generation Intel® Core™ i5-11500, 12 MB Cache, 6 Core, 2.7 GHz to 4.6 GHz, 65W TDP 11th Generation Intel® Core™ i5-11600, 12 MB Cache, 6 Core, 2.8 GHz to 4.8 GHz, 65W TDP 11th Generation Intel® Core™ i5-11600K, 12 MB Cache, 6 Core, 3.9 GHz to 4.9 GHz, 125W TDP 11th Generation Intel® Core™ i7-11700, (16 MB Cache, 8 Core, 2.5 GHz to 4.9 GHz, 65W TDP 11th Generation Intel® Core™ i7-11700K, 16 MB Cache, 8 Core, 3.6 GHz to 5.0 GHz, 125W TDP 11th Generation Intel® Core™ i9-11900, 16 MB Cache, 8 Core, 2.5 GHz to 5.2 GHz, 65W TDP 11th Generation Intel® Core™ i9-11900K, 16 MB Cache, 8 Core, 3.5 GHz to 5.3 GHz, 125W TDP 11th Generation Intel® Xeon® W-1350, 12 MB Cache, 6 Core, 3.3 GHz to 5.0 GHz, 80W TDP 11th Generation Intel® Xeon® W-1350P, 12 MB Cache, 6 Core, 4.0 GHz to 5.1 GHz, 125W TDP 11th Generation Intel® Xeon® W-1370, 16 MB Cache, 8 Core, 2.9 GHz to 5.1 GHz, 80W TDP 11th Generation Intel® Xeon® W-1370P, 16 MB Cache, 8 Core, 3.6 GHz to 5.2 GHz, 125W TDP 11th Generation Intel® Xeon® W-1390, 16 MB Cache, 8 Core, 2.8 GHz to 5.2 GHz, 80W TDP 11th Generation Intel® Xeon® W-1390P, 16 MB Cache, 8 Core, 3.5 GHz to 5.3 GHz, 125W TDP
Operating System Options[2]	Windows® 10 Home (64-bit) Windows® 10 Professional (64-bit) Windows® 10 Professional (64-bit) National Academic Windows® CMIT Government Edition (V0-H) Windows® 10 Professional Workstation (64-bit) (for 6 or more cores) Windows® 10 IoT Enterprise LTSC Red Hat® Linux® 8.4 Ubuntu® Linux® 20.04 LTS Kylin Linux® 10.1 (China only)
Chipset	Intel® W580 chipset
Memory Options[3]	4 DIMM slots (dual channel) Up to 128GB or up to 3200MHz Non-ECC & ECC DDR4 Memory 2 DIMMs per channel (2DPC) speed of 3200MHz is supported when channel is populated with the same DIMM part number and available on 11th gen processors only. Symmetrical configurations are required for 2DPC within one channel to achieve 3200MHz memory operating speed, otherwise memory speed may drop to 2666MHz or 2933MHz. There are no restrictions across channels. Please review Setup and Specifications or Owner's Manual document for more detailed explanation.
Graphics Options[3]	One PCI Express® x16 Gen 4 slot supporting graphics card up to 350W (Total power available for discrete graphics cards). (Some cards are available in Dual Config as well Gen 4 slot speed is available on 11th gen processors only.) **High End cards:** NVIDIA® RTX5000, 16GB, GDDR6 AMD Radeon™ Pro W5700, 8GB, GDDR6 **Mid-range 3D cards:** NVIDIA® RTX4000, 8GB, GDDR6 NVIDIA® P2200, 5GB, GDDR5X AMD Radeon™ Pro W5500, 8GB, GDDR6 **Entry 3D cards:** (all single or dual) NVIDIA® P1000, 4GB, GDDR5 NVIDIA® P620, 2GB, GDDR5 NVIDIA® P400, 2GB, GDDR5 AMD Radeon™ Pro WX3200, 4GB, GDDR5X

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Feature	Precision 3650 Tower Technical Specifications
Storage Options[4]	Support for up to (3) 3.5" SATA® or (4) 2.5" SATA® For 11th gen processors, up to (3) M.2 PCIe NVMe SSD on motherboard slots. Boot drive installed on gen 4 slot. For 10th gen processors, up to (2) M.2 PCIe NVMe SSD on motherboard slots. Boot drive installed on gen 3 slot. Support for Intel® Ready Mode™ technology Support for up to (1) additional PCIe SSD on Dell Precision Ultra-Speed drive with active cooling **M.2 PCIe NVMe™ SSD** M.2 2280 256GB NVMe™ gen3 Class 40 M.2 2280 512GB NVMe™ gen4 Class 40 M.2 2280 512GB NVMe™ gen3 Class 50 M.2 2280 1TB NVMe™ gen3 Class 50 M.2 2280 1TB NVMe™ gen4 Class 40 M.2 2280 2TB NVMe™ gen4 Class 40 **SATA® 2.5" 7200 RPM** 2.5" 1TB 5400 RPM HDD (7mm) 2.5" 2TB 5400 RPM HDD (7mm) 2.5" 500GB 7200 RPM HDD (7mm) 2.5" 1TB 7200 RPM HDD (7mm) **SATA® 3.5"** 3.5" 500GB 7200 RPM HDD 3.5" 1TB 7200 RPM HDD 3.5" 2TB 7200 RPM HDD 3.5" 4TB 5400 RPM HDD 3.5" 4TB 7200 RPM Enterprise HDD 3.5" 8TB 7200 RPM Enterprise HDD **Self Encrypting Drives** M.2 2280 256GB NVMe™ gen3 SED M.2 2280 512GB NVMe™ gen3 SED M.2 2280 1TB NVMe™ gen3 SED 2.5" 500GB 7200RPM OPAL SED FIPS (7mm) RAID options 0, 1, 5, 10 available.
Storage Controller	**Integrated:** Intel® Rapid Storage Controller 12.0 supporting SATA 6Gb/s and host based RAID 0/1/5/10
Speakers	Optional Internal Speaker; Optional Dell 2.0 stereo speaker systems available and Dell sound bar for select flat-panel displays, Optional Dell Pro Stereo Headset (wired/wireless).
Communications	**Integrated:** Intel® Ethernet Connection I219-LM 10/100/1000 **Optional:** 2nd Ethernet Connection (RJ-45) up to 2.5Gbps **Optional:** Intel® 10/100/1000 PCIe Gigabit Networking card Aquantia® AQtion™ AQN-108 5/2.5 GbE NIC Adapter **Optional:** WLAN on PCIe Add-in-card with up to Wi-Fi® 6 (802.11ax) wireless module and Bluetooth® 5.2
Audio Controller	Integrated Realtek® ALC3246 High Definition Audio Codec (2 Channel)
Add-in cards	**Ethernet NIC** Aquantia AQtion AQN-108 5/2.5 GbE NIC Adapter (Full Height) Intel® Gigabit Ethernet NIC (1Gbps) PCIe Card (Full Height) Intel® Ethernet 10G Dual Port X550-t Adapter (2X10GbE) **WLAN on PCIe Add-in-card** Qualcomm® QCA6174A 802.11ac Dual Band (2x2) Wireless + Bluetooth 5.0 LE M.2, w/Internal Antenna Intel® Wi-Fi 6 AX210 802.11ax Dual Band (2x2) Wireless Module + Bluetooth 5.2 **Extra Ports** Additional USB Type C™ w/ DisplayPort Alternative Additional VGA Port Additional DisplayPort™ Additional HDMI 2.0 Port Serial and Parallel Port PCIe Card (Full Height) USB 3.2 G2 PCIe Card - 2 Type C™ Ports. 1DP in USB 3.2 Type C™ Gen 2 PCIE add-in card (Full Height) Serial port add-in card (PCIe) Thunderbolt™ 4 PCIe add-in-card (Full Height)

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I/O Ports	**Front:** Front of the chassis has 2 I/O offerings - Standard and Advanced with following differences in USB and SD card reader. (Availability depends on chassis selection and region) **Standard offering** 2x USB 2.0 Type A 1x USB 3.2 Type A Gen1 (5Gbps), with PowerShare 1x USB 3.2 Type C™ Gen2 (10Gbps), with PowerShare No SD card reader **Advanced offering** 1x USB 3.2 Type A Gen1 (5Gbps) 1x USB 3.2 Type A Gen2 (10Gbps) **Advanced offering** 1x USB 3.2 Type A Gen2 (10Gbps), with PowerShare 1x USB 3.2 Type C™ Gen 2x2 (20Gbps), with PowerShare With SD card reader **Other Front ports** 1x 3.5mm headphone jack with microphone **Rear** Starting from top, going left to right 2x DisplayPort™ 1.4 2x PS2 (Legacy for keyboard and mouse) 2x USB 2.0 Type A (with SmartPower) 1x RJ45 Network Connector 1x USB 3.2 Type A Gen2 (10Gbps) 2x USB 3.2 Type A Gen1 (5Gbps) 1x Audio Line out
Chassis	1x Optional Port (VGA, HDMI 2.0, DP1.4 with 5K display support, Type C w/DP-Alt mode) 1x Optional 2nd RJ45 Network Connector (2.5GHz) Height: 13.19 in. (335.0 mm) Width: 6.95 in. (176.6 mm) Depth: 13.58 in. (345.0 mm) Weight: 18.74 lb (8.5 kg) **Bays:** 4x SATA slots for (4) 2.5 in. / (3) 3.5 in. HDD / (1) ODD / (1) DP27 **Slots:** 3x M.2 2280 PCIe x4 slots for NVMe SSD on RKL-S CPUs (1 slot will be Gen4, 2 slots will be Gen3); 2x M.2 2280 PCIe x4 slots for NVMe SSD on CML-S Refresh Core i3 CPU (2 slots will be Gen3), 1x PCIe x16 Gen4 (full height), 1x PCI (full height), 1x PCIe x4 Gen3 (open ended, full height) **Power Supply:** 300W 90% efficient PSU (80PLUS Gold Certified Certified) Energy Star compliant; 460W 90% efficient PSU (80PLUS Gold Certified Certified) Energy Star compliant; 550W 90% efficient PSU (80PLUS Gold Certified) Energy Star compliant; 1000W 90% efficient PSU (80 PLUS Gold Certified) Energy Star compliant (PSU availability varies by region.)
Storage devices	Optional: 1 optical drive: DVD-ROM; DVD+/-RW (Note: optical drive not available with Smart Card Reader (CAC/PIV)) SD Card Reader (Note: SD card reader is available in Advanced front I/O offering at the time of purchase. Availability for a chassis may differ across regions.)
Security Options[5]	Trusted Platform Module TPM 2.0, Dell Data Guardian, Dell Endpoint Security Suite Enterprise, 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, Intel Software Guard extensions

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Systems Management[6]	Dell Command | Intel vPro™ Out of Band
Regulatory & Environmental	EPEAT Gold Registered (available worldwide except India. EPEAT Silver available in India.) China CECP ENERGY STAR 8.0 qualified TCO 8.0 Certified Japan Green PC Design for Environment (ENV0425) CEC Compliance Mark plastics parts as per the ISO 11469 standard
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

Built for business

Dell Technologies Unified Workspace

Dell Technologies Unified Workspace is the most comprehensive solution to deploy, secure, manage and support virtually all devices from the cloud. We designed this revolutionary solution with intelligence and automation providing you with visibility across the entire endpoint environment. We help you save time, improve user experience, optimize resources and strenthen security.

DEPLOY

Our modern deployment solution, ProDeploy in the Unified Workspace allows you to revolutionize the way deployment gets done. By spending just one hour for set up , IT can then hand deployment to Dell and have preconfigured systems shipped directly to the end users--wherever they are.

SECURE

Dell Endpoint Security for the Unified Workspace helps you manage growing cyber risks while embracing workforce transformation. With Dell SafeGuard and Response powered by Secureworks, you gain actionable insight to help you quickly and efficiently prevent, detect and respond to cyber-attacks - keeping your environment free from harm.

MANAGE

We integrated our hardware management solution Dell Client Command Suite with VMware Workspace ONE, allowing you to take advantage of unified endpoint management (UEM) and manage the firmware, operating system and applications for all devices from the Workspace ONE console. UEM simplifies the management of the entire environment saving IT time from having to work between separate consoles for PCs and phones.

SUPPORT

ProSupport Plus continues to be the only predictive and proactive support in the market. When compared to key competitors, ProSupport Plus with SupportAssist reduced time to resolve a failed hard drive with up to 11x faster time to resolution*

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

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Create without limits.

Some options available only in select regions; ISV certification applies to select configurations:
1 Intel Turbo Boost mode only available on Xeon, Core i9, 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.
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.
8 With up to 95% coverage of the DCI-P3 color space, based on Dell analysis of publicly available data of competitive monitors, Aug 2019.

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