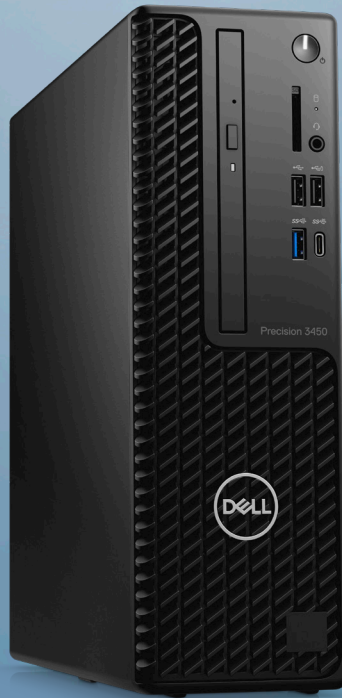# DELLTechnologies

PRECISION 3450 SFF
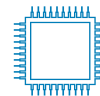
Minimalist design. Peak performance.

SPACE-SAVING DESIGN

The small form factor is ideal for space-constrained workspaces that need workstation-class performance and reliability. Optional WiFi capabilites and a range of accessible ports keep you connected to everything you need.

INTELLIGENT PERFORMANCE

Precision workstations feature Dell Optimizer for Precision which uses Artificial Intelligence software to learn how you work and adapts to your style to create a smarter, more-personal experience. The result? Improved system responsiveness, better application performance, storage and audio optimization and more reliable network connectivity.* All from a single console that you manage from WorkspaceOne or Dell SCCM—allowing IT staff to deploy, configure, update, and monitor Optimizer remotely.

LATEST TECHNOLOGY

Power through intensive tasks easily with 11th Generation Intel® Core™ or Xeon® (80W) processors and faster memory speeds of up to 3200MHz, up to 128GB. Run applications at top speeds with AMD Radeon™ Pro or NVIDIA professional graphics with up to 55W of graphics support. Scalable storage with SATA or PCIe NVMe SSD options, up to 16TBs deliver plenty of room for every project.

MISSION CRITICAL RELIABILITY

Independent Software Vendor (ISV) certified to ensure the high-performance applications you rely on every day run smoothly. Also, with Intel® Xeon® processors you can get Error Correcting Code (ECC) memory which identifies and corrects single bit memory errors. Our exclusive Reliable Memory Technology (RMT) Pro software with 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.

Recommended Accessories

DELL PRO PREMIER WIRELESS KEYBOARD AND MOUSE | KM717

Enhance productivity and enjoy its elegant design that will fit into virtually any workspace. For increased productivity you can simultaneously pair up to two compatible devices with Bluetooth

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.

PRECISION SMALL FORM FACTOR DUST FILTER

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

DELL ULTRASHARP 24 HUB MONITOR | U2421E

Experience vibrant color on a built-in low blue light screen that reduces potentially harmful blue light emissions while maintaining color accuracy. RJ45 port enables Ethernet connectivity.

DELL 27 USV-C MONITOR | PP2720DC

Do more with a 27" QHD USB-C monitor that expands your workspace. Get a better view of all your important tasks while reducing cable clutter.

DELL PROFESSIONAL SOUND BAR | AE515M

Optimize conference calls and mutimedia streaming with exceptional audio clarity. Minimize background noise while on calls with the dual mic array and echo cancellation feature

Features & Technical Specifications

Feature	Precision 3450 SFF Technical Specifications
Processor Options[1]	**11th Generation** Intel® Core™ i5-11500 (6 Core, 12M cache, base 2.7GHz, up to 4.6GHz) Intel® Core™ i5-11600 (6 Core, 12M cache, base 2.8GHz, up to 4.8GHz) Intel® Core™ i7-11700 (8 Core, 16M cache, base 2.5GHz, up to 4.9GHz) Intel® Core™ i9-11900 (8 Core, 16M cache, 2.5GHz, up to 5.2GHz) Intel® Xeon W-1350 (6 Core, 12M cache, base 2.9GHz, up to 5.0GHz) Intel® Xeon W-1370 (8 Core, 16M cache, base 2.6GHz, up to 5.1GHz) Intel® Xeon W-1390 (8 Core, 16M cache, base 2.8GHz, up to 5.2GHz) **10th Generation** Intel® Core™ i3-10105 (4 Core, 6M cache, base 3.7GHz, up to 4.4GHz) Intel® Core™ i5-10505 (6 Core, 12M cache, base 3.2GHz, up to 4.6GHz) Intel® Core™ i5-10600 (6 Core, 12M cache, base 3.3GHz, up to 4.8GHz) Intel® Core™ i7-10700 (8 Core, 16M cache, base 2.9GHz, up to 4.8GHz) Intel® Core™ i9-10900 (10 Core, 20M cache, base 2.8GHz, up to 5.2GHz) Intel® Xeon® W-1250 (6 Core, 12M cache, base 3.3GHz, up to 4.7GHz) Intel® Xeon® W-1270 (8 Core, 16M cache, base 3.4GHz, up to 5.0GHz) Intel® Xeon® W-1290 (10 Core, 20M cache, base 3.2GHz, up to 5.2GHz)
Operating System Options[2]	Windows® 10 Professional (64 bit) Windows® 10 Pro for Workstations (64 bit) w/ Intel Xeon processors Windows® 10 Home (64 bit) Red Hat® Enterprise Linux® 8.4 (coming soon) Ubuntu Linux 20.04
Chipset	Intel® W580 Chipset
Memory Options[3]	4 DIMM Slots; Up to 128GB DDR4 Non-ECC & ECC memory (up to 3200MHz with select configurations)
Graphics Options[3]	One PCI Express® x16 Gen 4 Graphics card up to 50W Entry 3D cards: AMD Radeon™ Pro WX2100 AMD Radeon™ Pro WX3200 NVIDIA® P400 (dual cards available in select configs) NVIDIA® P620 NVIDIA® P1000 NVIDIA® T400 NVIDIA® T600 NVIDIA® T1000 Professional 2D cards: Intel UHD Graphics 630 (10th Gen Core™ i) Intel UHD Graphics 750 (11th Gen Core ™ i) Intel UHD Graphics P750 (11th Gen Xeon)

Feature	Precision 3450 SFF Technical Specifications
Storage Options[4]	Support for up to (3) M.2 PCIe SSD on motherboard with 11th Generation Intel Processor or up to (2) M.2 PCIe SSD on motherboard with 10th Generation Intel Processor 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 2.5-inch, 1TB, 5400 RPM, SATA HDD 2.5-inch, 2TB, 5400 RPM, SATA HDD 2.5-inch, 500GB, 7200 RPM, SATA HDD 3.5-inch, 2 TB, 7200 RPM, SATA HDD 2.5-inch, 1 TB, 7200 RPM, SATA HDD 2.5-inch, 500 GB, 7200 RPM, SATA HDD, Self-Encrypting Opal 2.0 FIPS 3.5-inch, 500 GB, 7200 RPM, SATA HDD 3.5-inch, 1 TB, 7200 RPM, SATA HDD 3.5-inch, 2 TB, 7200 RPM, SATA HDD 3.5-inch, 4 TB, 5400 RPM, SATA HDD M.2 2280, 256 GB, Gen 3 PCIe x4 NVMe, Class 40 SSD M.2 2280, 512 GB, Gen 4 PCIe x4 NVMe, Class 40 SSD M.2 2280, 1 TB, Gen 4 PCIe x4 NVMe, Class 40 SSD M.2 2280, 2 TB, Gen 3 PCIe x4 NVMe, Class 40 SSD M.2 2280, 2 TB, Gen 4 PCIe x4 NVMe, Class 40 SSD M.2 2280, 256 GB, Gen 3 PCIe x4 NVMe, Class 40 SSD, self-encrypting drive M.2 2280, 512 GB, Gen 3 PCIe x4 NVMe, Class 40 SSD, self-encrypting drive M.2 2280, 1 TB, Gen 3 PCIe x4 NVMe, Class 40 SSD, self-encrypting drive M.2 2280, 512 GB, Gen 3 PCIe x4 NVMe, Class 50 SSD M.2 2280, 1 TB, Gen 3 PCIe x4 NVMe, Class 50 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 Mbps Optional WLAN: Qualcomm QCA61x4A, 867 Mbps, 2.40 Ghz/5 GHz, Wi-Fi 5 (WiFi 802.11ac), Bluetooth 5.0 Intel® AX201, 2.40 Gbps, 2.40 Ghz/5 GHz, Wi-Fi 6 (WiFi 802.11ax), Bluetooth 5.1 Optional Add-In: Intel 10/100/1000 PCIe Gigabit NIC Aquantia® AQtion™ AQN-108 5/2.5 GbE NIC Adapter
Audio Controller	Integrated Realtek ALC3246 High Definition Audio Codec (4 Channel)

Features & Technical Specifications

Feature	Precision 3450 SFF Technical Specifications
Speakers	Optional internal speaker; Optional Dell 2.0 stereo speaker systems available and Dell sound bar for select flat-panel displays
Add-in cards	Support for up to (1) additional PCIe SSD on Dell Precision Ultra-Speed drive (x8) with active cooling Serial Port PCIe Card Parallel Port PCIe Card USB 3.1 Gen 2 Type-A PCIe Card (Low Profile) USB 3.1 Gen 2 Type-C PCIe Card (Low Profile) Smart Card Reader (CAC/PIV) [available in select countries]
I/O Ports	**Front** 1 - USB 3.2 Gen 2x2 Type-C with PowerDelivery (20Gbps) 1 - USB 3.2 Gen 2 Type-A (10Gbps) 1 - USB 2.0 Type-A with PowerShare 1 - USB 2.0 Type-A 1 - Internal SD Card Reader (optional) 1 - Optical Disc Drive (optional) 1 - Universal Audio Jack **Rear** 1 - USB 3.2 Gen 2 Type-A (10Gbps) 3 - USB 3.2 Gen 1 Type-A (5Gbps) 2 - USB 2.0 with PowerOn 2 - PS/2 (Keyboard & Mouse) 2 - Display Port 1.4 1 - Optional Port (VGA, HDMI2.0b, DP++ 1.4, USB 3.2 Gen2 Type-C® w/DP-Alt mode) 1 - Ethernet RJ45 Connector 1 - Serial 1 - Audio (Retaskable LO/LI) 2 - SMA (optional)
Chassis	HxWxD: 11.42"x3.65"x11.53" (29cmx9.26cmx29.28cm), Min weight: 9.88lbs (4.48kg) 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 Gen4; (1) half height PCIe x4 Gen 3; (1) M.2 (22x80mm); (1) M.2 (22x30mm) Power Supply: 260W PSU (80PLUS Bronze Certified) Energy Star Compliant; 300W PSU (80PLUS Platinum Certified) Energy Star Compliant
Storage devices	Optional: 1 optical drive: DVD-ROM; DVD+/-RW (Note: optical drive not available with Smart Card Reader (CAC/PIV)) SD Card Reader

Feature	Precision 3450 SFF Technical Specifications
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, Optional Smart Card Reader, Intel® Trusted Execution Technology, Dell Secure Works, BIOS support optional Computrace, Intel Software Guard extensions
Systems Management[6]	Dell Client Command Suite; via vPro
Regulatory & Environmental	ENERGY STAR® configurations available including 80 PLUS® Bronze and 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

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. 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,[1] 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.[2]

1 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

2 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.

D∕LL Technologies

PRECISION 3450 SFF

Create the next big thing.