Dell Precision 15 5000 Series (5510)

Dell's smallest, thinnest and lightest workstation ever

The Dell Precision 15 5000 Series is a fully customizable, beautifully designed, thin and light 15" mobile workstation with a vibrant UltraSharp™ PremierColor InfinityEdge display.

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.

Innovative design

Visually amazing to look at in every way. The chassis has been completely re-designed to be 6%* thinner, 17%* smaller and under 4 pounds. The InfinityEdge display gives you a smaller bezel allowing for a 15.6" 4K Ultra HD viewing area in the size of some 14" notebooks. This new mobile workstation has beautiful carbon fiber palmrest and a new touchpad. The PremierColor display is the first ever mobile workstation with 100% minimum Adobe color gamut.

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 15 5000 Series includes the latest 6th Generation Intel® Core™ and the world's first mobile Intel® Xeon™ processors, NVIDIA Quadro® professional graphics card, new DDR4 memory, and Thunderbolt® 3 to provide you with the performance to make the most of your time. It also supports up to 2TB SSD storage, using ultra-fast PCIe SSDs.

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 including the world's #1 Dell monitor brand, industry-specific peripherals and carrying cases.

*Based on internal Dell analysis, 5/13/15

Feature	Dell Precision 15 5000 Series Technical Specifications
Model	5510
Processors[1]	Intel Core Xeon E3-1505M v5 Quad Core Xeon 2.80GHz, 3.70GHz Turbo, 8MB 45W
	Intel Core i7-6820HQ Quad Core 2.70GHz, 3.60GHz Turbo, 8MB 45W
	Intel Core i7-6700HQ Quad Core 2.60GHz, 3.50GHz Turbo, 6MB 45W
	Intel Core i5-6440HQ Quad Core 2.60GHz, 3.50GHz Turbo, 6MB 45W
	Intel Core i5-6300HQ Quad Core 2.30GHz, 3.20GHz Turbo, 6MB 45W
Operating Systems[2]	Windows™ 7 Pro (64-bit)
	Windows™ 10 Pro (64-bit)
	Windows™ 10 Home
	Canonical Ubuntu 14.04 SP1
Chipset	Mobile Intel CM236
Memory[3]	2 DIMM slots: up to 32GB DDR4 2133MHz
Graphics [3]	NVIDIA Quadro M1000M with 2GB GDDR5 dedicated memory
	Intel® Pro Graphics 530 & P530
Display Options	15.6" UltraSharp™ FHD IPS (1920x1080) Wide View Anti-Glare LED-backlit with Premium Panel Guarantee (72% color gamut)
	15.6" UltraSharp™ PremierColor UHD IGZO (3840x2160) Touch Wide View LED-backlit with Premium Panel Guarantee (100% Minimum Adobe color gamut)
Storage Options[4]	Support for two storage devices: one M.2 PCIe NVMe solid state drive and one 2.5" SSD/HDD drive: Dell Fast Response Free Fall Sensor standard
	Hard Disk Drive (HDD): 2.5" 500GB 7200RPM up to 1TB 2.5" 5400RPM SATA 6Gb/s
	Solid State Drive (SSD): 256GB, 512GB, 512GB SED, 1TB 2.5" SATA 6Gb/s
	M.2 PCIe NVMe Solid State Drive (M.2 SSD): 256GB, 512GB, 512GB SED, 1TB SSD
Communication Options[5]	Wired: Type C to Ethernet adapter included
	Wireless LAN: Intel® 8260 Dual-Band 2x2 802.11 ac (Miracast) Bluetooth® 4.1
	Dell DW1820 2x2 801.11ac + Bluetooth 4.1
Multimedia	Dual integrated high quality speakers and dual integrated noise cancelling digital array microphones standard
	MaxxAudio® Pro by Waves
	Integrated light sensitive HD video webcam
I/O Ports and Connectors	SD Card Reader (SD, SDHC, SDXC, supporting up to 64GB)
	1 x Thunderbolt 3
	2 x USB 3.0 with PowerShare
	1 x Headphone and microphone combo jack
	1 x HDMI
	1 x battery life indicator
Security[6]	Intel® Platform Trust Technology, Trusted Platform Module (TPM) 1.2/2.0, Chassis lock slot support
	Support for optional Computrace[8]
Dimensions	Width X = 14.06" (357.23mm)
	Depth Y= 9.27" (235.47mm)
	Height Z= front 0.45" (11.48mm) − rear 0.66" (16.82mm)
Battery	56Whr Lithium Ion polymer battery
	84Whr Lithium Ion polymer battery
Weight[7]	1.78kg (3.93lb) with FHD non-touch panel and SSD
Power Adaptor	130 Watt AC adapter (4.5mm barrel)
Regulatory and Environmental Compliance[8]	ENERGY STAR 6.1; EPEAT registered
TAA Configurations available	YES