



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 palm rests 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.

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 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 Red Hat Enterprise Linux (RHEL) 7.2 Canonical Ubuntu 14.04 SP1
Chipset	Mobile Intel CM236
Memory ³	2 DIMM slots: up to 32GB DDR4 2133MHz Up to 16GB DDR4 2667MHz overlocked memory (coming soon)
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 – coming soon, 1TB SSD
Communication Options ⁵	Wired: Type C to Ethernet adapter included Wireless LAN: Intel® 8260 Dual-Band 2x2 802.11 ac (Miracast) Bluetooth® 4.0, NFC Dell DW1830 3x3 802.11ac + Bluetooth 4.0, NFC Dell DW1820A 2x2 801.11ac + Bluetooth 4.1, NFC
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, 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 UHD 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

Some options available only in select regions; ISV certification applies to select configurations; ¹Intel Turbo Boost mode only available on Xeon, Core i7 and Core i5 processors. Intel Integrated HD graphics only available with select processors; ²A 64-bit operating system is required to support 4GB or more of system memory; ³.3GB means 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less; ⁴GB 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; ⁵Miracast wireless technology: requires a compatible media adapter (sold separately) and an HDMI-enabled display. ⁶Computrace is not a Dell offer. Certain conditions apply. For full details, see terms and conditions at www.absolute.com/en/about/legal/agreements. ⁷Weights vary depending on configuration and manufacturing variability. ⁸See epeat.net for specific registration rating/status by country. For a complete listing of declarations & certifications, see Dell's regulatory & compliance homepage at dell.com/regulatory_compliance. 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.

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