



Dell Precision 15 7000 Series (7510)

Dell's most powerful 15 inch mobile workstation ever



The Dell Precision 15 7000 Series is completely re-designed to look as good as it performs.

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

Our goal was to create a workstation with tower-like performance in a form factor that is not only mobile, but one that a person would be proud to carry. The design team used new technologies and premium materials to create a device that delivers the most performance possible, while being truly mobile and beautiful to look at. Dell's cooling solution is so advanced, your most processor-intensive applications will benefit from staying in turbo frequencies longer than ever before.

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. It 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 7000 Series includes the latest 6th Generation Intel® Core™ and the world's first Intel® Xeon™ mobile processors and the choice of NVIDIA Quadro® or AMD FirePro™ professional graphics cards to provide you with the performance to make the most of your time. The Dell Precision 15 7000 supports RAID and up to 3TB storage, including ultra-fast PCIe NVMe 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 docking, the world's #1 Dell monitor brand, industry-specific peripherals and carrying cases.

Dell Precision 15 7000 Series Technical Specifications	
Feature	
Model	7510
Processors ¹	Intel Core Xeon E3-1575M v5 Quad Core Xeon 3.00GHz, 3.90GHz Turbo, 8MB 45W Intel Core Xeon E3-1545M v5 Quad Core Xeon 2.90GHz, 3.80GHz Turbo, 8MB 45W Intel Core Xeon E3-1535M v5 Quad Core Xeon 2.90GHz, 3.80GHz Turbo, 8MB 45W Intel Core Xeon E3-1505M v5 Quad Core Xeon 2.80GHz, 3.70GHz Turbo, 8MB 45W Intel Core i7-6920HQ Quad Core 2.90GHz, 3.80GHz 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™ 8.1 Pro (64-bit) Windows™ 10 Home (64-bit) Canonical Ubuntu 14.04 SP1
Chipset	Intel Mobile CM236
Memory ³	4 DIMM slots: up to 64GB DDR4 NECC 2133MHz Up to 32GB DDR4 2667MHz SuperSpeed memory Up to 64GB ECC DDR4 2133MHz
Graphics ³	AMD FirePro W5170M with 2GB GDDR5 dedicated memory NVIDIA Quadro M1000M with 2GB GDDR5 dedicated memory Nvidia Quadro M2000M with 4GB GDDR5 dedicated memory Intel® HD Graphics P580, P530, & 530
Display Options	15.6" FHD (1920x1080) Anti-Glare LED-backlit (45% color gamut) 15.6" UltraSharp™ FHD IPS (1920x1080) Wide View Anti-Glare LED-backlit with Premium Panel Guarantee (72% color gamut) 15.6" UltraSharp™ FHD IPS Touch (1920x1080) Wide View LED-backlit with Premium Panel Guarantee (72% color gamut) 15.6" UltraSharp™ UHD IGZO (3840x2160) PremierColor Wide View Anti-Glare LED-backlit with Premium Panel Guarantee (100% Adobe color gamut)
Storage Options ⁴	Support for two storage devices: one M.2 PCIe solid state drive and one M.2 PCIe/2.5" SATA drive: Dell Fast Response Free Fall Sensor standard Hard Disk Drive (HDD): 2.5" 500GB, 1TB 7200RPM up to 2TB 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: Integrated Intel 82580 10/100/1000 Gigabit Ethernet Wireless LAN & Bluetooth: Intel® 8260 Dual-Band 2x2 802.11 ac (Miracast) Bluetooth® 4.1, Dell DW1820 2x2 801.11ac + Bluetooth 4.1, Mobile Broadband & GPS: DW5811e (Gobi 4g/LTE – FMC)
Multimedia	Dual integrated high quality speakers and optional dual integrated noise cancelling digital array microphones MaxxAudio® Pro by Waves Optional integrated light sensitive HD video webcam
I/O Ports and Connectors	1 x SD Card Reader (SD, SDHC, SDXC, supporting up to 64GB); 1 x Thunderbolt® 3 (optional) 4 x USB3.0 with PowerShare; 1 x mDP; 1 x HDMI; 1 x Headphone and microphone combo jack; 1 x SmartCard Reader (optional)
Security ⁶	Intel® Platform Trust Technology, Trusted Platform Module (TPM) 1.2/2.0, Chassis lock slot support Support for optional Computrace and Optional SmartCard Reader, Contactless SmartCard Reader/Fingerprint Reader or FIPS Fingerprint Reader
Dimensions and weight ⁷	Width: 14.88" / 378mm; Depth: 10.38" / 261mm ;Height (front-Rear): Front 1.09"/27.76mm – 1.3"/(33mm) Starting at 2.79kg (6.16lb)
Battery	72Whr Lithium Ion polymer battery 91Whr Lithium Ion polymer battery 85Whr long life cycle Ion Polymer battery
Power Adaptor	180 Watt AC adapter (7mm barrel)
Regulatory and Environmental ⁸ Compliance	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; . 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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