DELLTechnologies

PRECISION 7550

World's most powerful 15" mobile workstation is also the world's most intelligent.

PREMIUM & LIGHTWEIGHT DESIGN

The new, premium design of the 7550 is 19% smaller, and actually fits inside of the previous generation. It has a 21% larger touch pad, new Pro 2 keyboard, and top-firing speakers which further sets it apart from the previous generation. Along with the premium materials and masterful craftsmanship all of this adds up to creators, designers and beyond having a powerful system without the stigma of clunky design - putting elegance and performance in your hands instead.
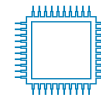
The 7550 was engineered to provide designers and creators, and up to geologist and data scientists a mobile platform with the power of a desktop, so they can take their work with them, where ever they may go.

INTELLIGENT PERFORMANCE

Extract maximum performance from demanding applications with 10th Gen Intel® Core™ and Xeon® 8-core processors, up to 128GB of 2933MHz memory and 6TBs of storage. Keep pace with graphic and data-intensive tasks, including VR and AI, with up to NVIDIA Quadro® RTX 5000™ professional graphics. Our advanced and patented thermals keep the system running at peak performance while keeping the system cool and quiet.

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, smarter use of battery power, storage and audio optimization and more reliable network connectivity.** All from a single console that you manage from WorkspaceOne or Microsoft SCCM—allowing IT staff to deploy, configure, update, and monitor Optimizer remotely.

IMMERSIVE PRODUCTIVITY

ExpressSign-in identifies you when you walk up, waking your workstation and getting you ramped up quickly. It will also lock your screen when you walk away for an added layer of security.

The new design of the 7550 provides for brighter (800 nits) and up to an HDR600 display, which is 100% Adobe color gamut. There are also ambient sensing and touch options available that provide for less eye strain and ease of use.

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 along with ECC memory to identify and map out bad memory sectors on the DIMM and will alert you when it is at a critical level and needs replacing - providing layers of protection against memory related errors and blue screens.

Recommended Accessories

PRECISION 7550

ON-THE-GO

DELL USB-C MOBILE ADAPTER | DA300

Connect your Precision to almost any device with a convenient 6 -in-1 compact adapter, to collaborate from any location.

TIMBUK2 - AUTHORITY FOR DELL - 15"

Designed specifically for Dell, the Timbuk2-Authority backpack is built to carry and protect everything you need for the workday. The internal organizer provides ample space for laptop accessories and any extra items you need to carry.

JABRA EVOLVE 75

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

AT-THE-DESK

DELL PERFORMANCE DOCK | WD19DC

Dell's most powerful dock* for our most powerful workstations* delivers the ultimate productivity experience. Charge your system faster, support up to three 4K displays and connect to your peripherals via a single cable with dual USB-C connectors for up to 240W of power delivery.

DELL ULTRASHARP 4K USB-C MONITOR WITH PREMIER COLOR | UP2720Q

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

DELL 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 LE.

CREATORS AND ENGINEERS

DELL ULTRASHARP 38 CURVED MONITOR | U3818DW

Enjoy expansive views, incredible visuals and improved multitasking with this 38-inch curved monitor with an InfinityEdge display.

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

Feature — Dell Precision 7550 Technical Specificiations

Processor[1]
Intel® Xeon® W-10855M, 12 MB Cache, 6 Cores, 2.80 GHz to 5.10 GHz, 45 W, vPro
Intel® Xeon® W-10885M, 16 MB Cache, 8 Cores, 2.40 GHz to 5.30 GHz, 45 W, vPro
10th Generation Intel® Core™ i5-10400H, 8 MB Cache, 4 Cores, 2.60 GHz to 4.60 GHz, 45 W,vPro
10th Generation Intel® Core™ i7-10750H, 12 MB Cache, 6 Cores, 2.60 GHz to 5.0 GHz, 45 W,
10th Generation Intel® Core™ i7-10850H, 12 MB Cache, 6 Cores, 2.70 GHz to 5.1 GHz, 45 W, vPro
10th Generation Intel® Core™ i7-10875H, 16 MB Cache, 8 Cores, 2.30 GHz to 5.10 GHz, 45 W, vPro
10th Generation Intel® Core™ i9-10885H, 16 MB Cache, 8 Cores, 2.40 GHz to 5.30 GHz, 45 W, vPro

Operating System[2]
Windows 10 Home (64-bit)
Windows 10 Professional (64-bit)
Windows 10 Enterprise (64-bit)
Windows 10 Pro Education (64-bit)
Windows 10 Professional China (64-bit)
Windows 10 Pro for Workstations (64-bit)
Ubuntu 18.04 LTS 64-bit
RedHat 8.3

Chipset
Intel Mobile WM490

Memory[3]
8 GB, 1 x 8 GB, DDR4, 2666 MHz, ECC, SODIMM
16 GB, 1 x 16 GB, DDR4, 2666 MHz, ECC, SODIMM
16 GB, 2 x 8 GB, DDR4, 2666 MHz, ECC, SODIMM
32 GB, 1 x 32 GB, DDR4, 2666 MHz, ECC, SODIMM
32 GB, 2 x 16 GB, DDR4, 2666 MHz, ECC, SODIMM
32 GB, 4 x 8 GB, DDR4, 2666 MHz, ECC, SODIMM
64 GB, 4 x 16 GB, DDR4, 2666 MHz, ECC, SODIMM
128 GB, 4 x 32 GB, DDR4, 2666 MHz, ECC, SODIMM
8 GB, 1 x 8 GB, DDR4, 2933 MHz, Non-ECC, SODIMM
16 GB, 1 x 16 GB, DDR4, 2933 MHz, Non-ECC, SODIMM
16 GB, 2 x 8 GB, DDR4, 2933 MHz, Non-ECC, SODIMM
32 GB, 1 x 32 GB, DDR4, 2933 MHz, Non-ECC, SODIMM
32 GB, 2 x 16 GB, DDR4, 2933 MHz, Non-ECC, SODIMM
32 GB, 4 x 8 GB, DDR4, 2933 MHz, Non-ECC, SODIMM
64 GB, 4 x 16 GB, DDR4, 2933 MHz, Non-ECC, SODIMM
128 GB, 4 x 32 GB, DDR4, 2933 MHz, Non-ECC, SODIMM
8 GB, 1 x 8 GB, DDR4, SuperSpeed 3200 MHz, Non-ECC, SODIMM
16 GB, 1 x 16 GB, DDR4, SuperSpeed 3200 MHz, Non-ECC, SODIMM
16 GB, 2 x 8 GB, DDR4, SuperSpeed 3200 MHz, Non-ECC, SODIMM
32 GB, 4 x 8 GB, DDR4, SuperSpeed 3200 MHz, Non-ECC, SODIMM

Graphics[3]
Intel® UHD Graphics 630
Intel® UHD Graphics P630
NVIDIA® Quadro® T1000, 4 GB, GDDR6
NVIDIA® Quadro® T2000, 4 GB, GDDR6
NVIDIA® Quadro® RTX3000, 6 GB, GDDR6
NVIDIA® Quadro® RTX4000, 8 GB, GDDR6
NVIDIA® Quadro® RTX5000, 16 GB, GDDR6

Display Options
15-inch, FHD, 1920 x 1080, 60 Hz, Anti-Glare, Non-Touch, 45% NTSC, 220 Nits, WVA
15-inch, FHD, 1920 x 1080, 60 Hz, Anti-Glare, Non-Touch, 100% DCIP3, 500 Nits, WVA
15-inch, FHD, 1920 x 1080, 60 Hz, Touch, 100% DCIP3, 500 Nits, WVA
15-inch, UHD, HDR 400, 3840 x 2160, 60 Hz, Anti-Glare, Non-Touch, 100% Adobe, 500 Nits, HDR
15.6", UHD HDR 600, 3840 x 2160, Anti-Glare Nontouch 100% Adobe, 800 Nits, HDR

Case Cover
Aluminum Titan Gray LCD Cover

Keyboard
Qwerty, White backlit keyboard, 10 key keypad, Spill-resistant, Multimedia keys

Storage Options[4]
Support for 3 storage devices: Three M.2 PCIe solid state drives
M.2 2280, 128 GB, Gen 3 PCIe x4 NVMe, Class 35 SSD
M.2 2280, 128 GB, Gen 3 PCIe x4 NVMe, Class 40 SSD
M.2 2280, 256 GB, Gen 3 PCIe x4 NVMe, Class 40 SSD
M.2 2280, 512 GB, Gen 3 PCIe x4 NVMe, Class 40 SSD
M.2 2280, 1 TB, Gen 3 PCIe x4 NVMe, Class 40 SSD
M.2 2280, 2 TB, Gen 3 PCIe x4 NVMe, Class 40 SSD
M.2 2280, 512 GB, Gen 3 PCIe x4 NVMe, Class 40 SED SSD
M.2 2280, 128 GB, Gen 3 PCIe x4 NVMe, Class 50 SSD
M.2 2280, 256 GB, Gen 3 PCIe x4 NVMe, Class 50 SSD
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
M.2 2280, 2 TB, Gen 3 PCIe x4 NVMe, Class 50 SSD

Communication Options[5]
Intel® Wi-Fi 6 AX201, 2 x 2, 802.11ax with MIMO, Bluetooth 5.1
Qualcomm® Snapdragon™ X20 LTE (DW5821e)

Multimedia
Dual integrated high quality speakers and optional dual integrated noise cancelling digital array microphones
MaxxAudio® Pro by Waves
HD Camera (optional)
IR camera (optional)

I/O Ports and Connectors
1 RJ-45 port 10/100/1000 Mbps
1 USB 3.2 Gen 1 Type-A port
1 USB 3.2 Gen 1 Type-A port with PowerShare
2 USB 3.2 Gen 2 Type-C Thunderbolt 3 ports
1 HDMI 2.0 port
1 Mini DisplayPort 1.4
1 Universal Audio Jack
1 SD card slot
1 Smart card reader slot
1 Micro SIM card slot

Productivity Software
Microsoft Office 30 Day Trial
Microsoft Office Home and Business 2019
Microsoft Office Professional 2019

Security[6]
Intel® vPro™ Technology (iAMT 12) (optional, requires Intel WiFi® Link WLAN and a vPro compatible processor), Dell Client Command Suite available (dell.com/command), Factory Installed Dell Client Command | Update, Dell Command | Power Manager,
Wedged-shaped lock
Hardware Security TPM 2.0 discrete
FIPS 140-2 certification for TPM
TCG Certificatication for TPM (Trusted Computing Group)
ControlVault 3 Advanced Authentication with FIPS 140-2 Level 3 Certification
Fingerprint Reader with Control Vault 3
Contacted Smart Card and Control Vault 3
Contactless Smart Card, NFC, and Control Vault 3
FIPS 201 Full Scan FPR and Control Vault 3
Statement of Non-Volatility

Security software	McAfee® Small Business Security 30 Day Free Trial McAfee® Small Business Security 12-month subscription McAfee® Small Business Security 36-month subscription
Dimensions and Weight[7]	Width X = 14.1" (360mm) Depth Y= 9.5" (242mm) Height Z= front .98" (25.mm) – rear 1.08" (27.36mm) Starting at 5.4lbs, 2.45kg
Battery	6-cell, 68 WHr, Lithium-ion, ExpressChargeBoost™ 6-cell, 95 WHr, Lithium-ion, ExpressChargeBoost™ 6-cell, 95 WHr, Lithium-ion LLC, Long Life Cycle
Power Adaptor	180W adapter, 7.4mm barrel
Regulatory and Environmental[8] Compliance	Regulatory Model: P74F Regulatory Type: P74F002 ENERGY STAR 8.0 Qualified EPEAT Registered. For specific country participation and rating, please see www.epeat.net BFR/PVC free[9] Trade Agreements Acts (TAA) configurations available

Warranty	3 Years Hardware Service with Onsite/In-Home Service After Remote Diagnosis 4 Years Hardware Service with Onsite/In-Home Service after Remote Diagnosis 5 Years Hardware Service with Onsite/In-Home Service after Remote Diagnosis 3 Years ProSupport with Next Business Day Onsite Service 4 Years ProSupport with Next Business Day Onsite Service 5 Years ProSupport with Next Business Day Onsite Service 3 Years ProSupport Plus with Next Business Day Onsite Service 4 Years ProSupport Plus with Next Business Day Onsite Service 5 Years ProSupport Plus with Next Business Day Onsite Service
Accidental Damage Services	3 Years Accidental Damage Service 4 Years Accidental Damage Service 5 Years Accidental Damage Service

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.[1] 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.
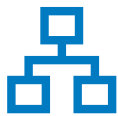
MANAGE

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,[2] 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.[3]

1 ESG Research Report. 2019 Digital Work Survey. December 2019.
2 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
3 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.

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As intelligent as it is powerful.
Make Genius Real.