Dell Rugged Products

An unmatched end-to-end ecosystem providing performance, durability and reliability in any environment

Dell is the only Tier One vendor with a full end-to-end portfolio of rugged OEM hardware, software and services solutions, making these durable products not only easy to support globally, but also easy to secure and manage – even in remote locations.

Military, industrial, retail, healthcare…some environments require an IT infrastructure that can literally take a beating. When your customers need computing solutions they can depend on in extreme environments, rugged is a must. Getting durability, performance and reliability in any environment is key. Dell's unmatched end-to-end rugged portfolio has everything you need from one supplier – from servers to tablets and everything in between – to get your solutions to market quickly.

Technology Business Research (TBR), a leading technology market research and consulting firm, studied the Dell Rugged portfolio to determine how it performs.

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The Dell rugged portfolio

Hardware and services for the most extreme and hazardous environments

Enterprise solutions

Dell PowerEdge™ R420xr

Get the performance of a PowerEdge server with ruggedized features equipped to meet the demands of harsh working environments. Not only is it better protected, the PowerEdge R420xr has reduced per requirements a 20-inch rack depth and a starting weight of just 26 pounds.

Tracewell T-FX

Dell joined forces with Tracewell Systems to provide server products based on FX architecture and powered by Intel® Xeon® processors in a short depth ruggedized form optimized for size, weight and power.

End-user solutions

Latitude™ 12 Rugged tablet

Built for the most extreme environments, the Latitude 12 Rugged Tablet provides reliable performance and security so you can get the job done.

Dell Latitude Rugged Extreme notebooks

Built to meet the heightened needs of industry clients, combining first-class computing performance with military-grade durability, capabilities and features.

Dell OptiPlex XE2 desktops

For those times when you still need a powerful desktop equipped to handle abnormal operating conditions.

Cloud client-computing

Meet performance demands while conserving space and power with Dell cloud client-computing and Wyse™ fanless thin and zero client offerings. You can leave behind on-site desktops and workstations to fit more computing power into small spaces and make remote deployments easier to manage.

Rugged accessories

A rugged system is only as good as its weakest part. Dell has ruggedized accessories ranging from carrying cases to deck and vehicle docking stations to make your rugged systems even more useful.

Support services

Dell ProSupport™

Support in 55 languages and more than 100 countries, with 24/7 access to OEM technical experts, support for third-party hardware and software, escalation management and a range of response time options.

Dell Accidental Damage Service

Get peace of mind for hardware systems exposed to high-risk usage and environments.

Software for true end-to-end rugged solutions

No end-to-end portfolio is complete without strong software offerings that cater to the needs of your industry. From remote management to endpoint security, you can get the necessary software suites that improve management, security and functionality regardless of the industry or application.

System Management

Dell's PowerEdge servers come equipped with an integrated Dell Remote Access Controller (iDRAC) that enables users to deploy, update, configure and monitor their Dell PowerEdge servers. This is a critical feature for servers deployed in military, energy and telecommunications situations.

Dell PCs featuring Intel® vPro™ technology offers remote manageability, embedded security and unprecedented energy-efficient performance:

- Diagnose and repair systems remotely to reduce costs and speed repairs.
- Protect PCs against malicious software attacks and reduce downtime.
- Actively reduce power usage with policy-based ability to turn systems off and on whenever needed

Dell Endpoint Security Suite

- ✓ Get threat protection, authentication and data encryption for Dell mobility products through a single management console. The Dell Endpoint Security Suite includes preset policies and reporting templates and consolidated reporting features for easier management.
- ✓ Flexible for centralized management and easy deployment.
- ✓ Centralized management capabilities make it easier to manage security procedures for endpoints deployed in remote locations.

High performance for the most extreme conditions and demands

Dell's fully rugged products are built to withstand extreme conditions and meet the increased demands of field use, regardless of industry. Tested against the United States military standards, these products can meet the needs of any industry. Along with high levels of military testing, many Dell Rugged products are built using impact-resistant polymers, sealed doors and compression gaskets for a tight, particle-resistant shell.

Dell Rugged products are certified for safe operation in hazardous locations and measured for radiated emissions, electrostatic discharge and electromagnetic interference.

Military tested for the harshest conditions

Altitude tests

High/low temperature operational ranges

Thermal shock

Rapid dust resistance

Explosive atmosphere compliance

Vibration standards

Shock resistance up to six feet

Dell doesn't stop here, fully rugged products are also tested against various standards such as MIL-STD-810G, MIL-S-901D and NEBS Level 3 in the case of the PowerEdge R420xr and SAE J1455 and others in the case of its Latitude Rugged Extreme notebooks and Latitude 12 Rugged tablet.

The Dell OEM Solutions advantage

A comprehensive ecosystem of support, service and global availability

Dell serves more than 3000 OEM customers globally in more than 40 industry verticals worldwide, and is the only Tier 1 vendor to offer a comprehensive ecosystem of support, service and global availability around a robust rugged portfolio.

Total cost of ownership

Commercial-grade notebooks have a 57 percent higher total cost of ownership than rugged notebooks due to much higher annual failure rates.[1] Dell Rugged products are built to handle extreme conditions and provide lasting cost benefits over commercial- and business-grade laptops.
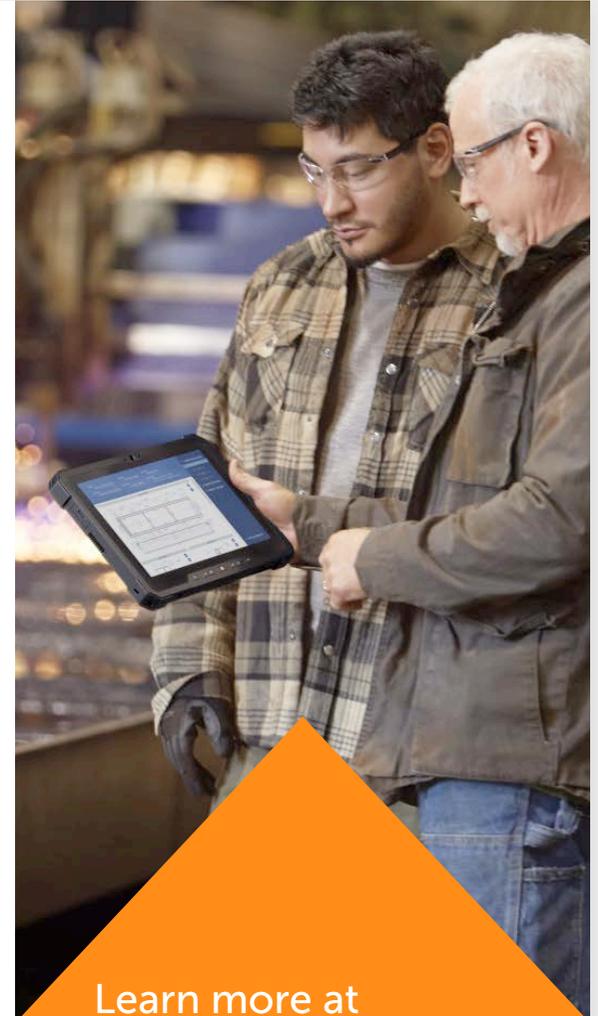
Replacement parts availability

Having replacement parts available when you need them is critical to your organizations' performance in extreme environments. Dell has the ability to deliver replacement parts quickly, with its renowned global supply chain and top-ranked replacement parts availability scores.[2]

OEM programs

OEM customers working with Dell can take advantage of its global scale, supply chain and support while also promoting their brands through customized hardware and branded products.

[1]Technology Business Research study
[2]Technology Business Research 4Q14 *Corporate IT Buying Behavior and Customer Satisfaction* study

Learn more at
Dell.com/RuggedOEM