

Dell Federal 5G Solution

Secure, Mission-Ready Connectivity



Solution Highlights

- End-to-End Solution including all hardware, software and ancillaries
- North American Manufacturing & Secure Supply Chain
- Open RAN compliant Architecture
- Intuitive Management with minimal training required
- Enhanced real-time situational awareness
- Seamless Device Integration and Enhanced Interoperability
- Deployment Flexibility
- Security and Full Federal Compliance (Civilian and DoD use cases)

Powering the Future of Government and Defense Operations

In an environment where every second counts and data security is paramount, you need a communications network that delivers uncompromising performance. 5G technology provides the high-speed, low-latency, and secure connectivity required to advance critical government and defense missions. Dell Federal 5G is an end-to-end, O-RAN compliant solution built to provide a decisive advantage. It empowers real-time situational awareness, enhances command and control, and ensures resilient communications in the most demanding operational environments.

Built for the Modern Mission

Dell Technologies delivers a comprehensive and trusted 5G solution designed to simplify deployment, streamline management, and support your mission with confidence. We provide the technology that empowers your teams to excel, ensuring secure, efficient, and scalable connectivity for mission success.

Simplified Management, Enhanced Control

Our Private Wireless Orchestrator software provides an intuitive, cloud-based interface for managing your network. With zero-touch provisioning and real-time monitoring, your teams can deploy and manage the network with minimal training, allowing them to focus on the mission, not the technology.

Open Architecture for Mission Flexibility

Built on an Open RAN (O-RAN) compliant architecture, our solution provides the adaptability to meet diverse and evolving mission requirements. This open, standards-based approach prevents vendor lock-in and allows for seamless integration of best-in-class components to create a network tailored to your specific operational needs.

A Secure, North American Supply Chain

Security is integrated into every aspect of our solution, from a secure North American manufacturing process to a trusted supply chain. We deliver a solution engineered to meet the stringent security and compliance requirements of U.S. Civilian and DoD use cases, protecting your mission-critical data and communications from evolving threats.

Core Components of the Dell Federal 5G solution

Our solution combines advanced, reliable technology into a single, ready-to-deploy package, giving you the tools to overcome any challenge.

- **Dell Private Wireless Orchestrator:** Cloud-based management with zero-touch provisioning, SIM/device management, and real-time network monitoring.
- **Dell PowerEdge XR8000 Servers:** High-performance, ruggedized compute powering the 5G RAN and core software functions for demanding mission workloads.

- **Dell RAN Accelerator card:** Performs in-line acceleration of Layer 1 traffic in the RAN and improves the overall 5G performance.
- **Dell RAN software:** Dell developed software enables key 5G advantages including low-latency, high reliability, and high performance.
- **Dell and Partner Radios:** A broad selection of radios supporting various 3GPP bands for both indoor and outdoor environments.
- **Fully Integrated 5G-SA Core:** A robust and secure 3GPP-compliant 5G Standalone core, purpose-built to meet federal requirements.
- **Comprehensive Device Interoperability:** Extensive testing ensures seamless integration with tactical drones, sensors, ruggedized tablets, and ATAK devices.

Dell Federal 5G Solution

Complete Solution / Secure / Simple to Operate

<p>Dell interoperability (IODT) testing lab</p> 	<p>Open RAN Radios</p> 	<p>Dell PowerEdge XR8000</p> <ul style="list-style-type: none"> • Complete Core network • RAN Baseband CU/DU • L1 accelerator card 	<p>Private Wireless Orchestrator</p> <ul style="list-style-type: none"> • Dell developed management and orchestration software • Provides simplicity and ease of use 				
<p>Example Use Cases</p> <table border="1"> <tr> <td data-bbox="209 972 464 1160"> <p>Military base coverage, naval shipyards, etc....</p>  </td> <td data-bbox="470 972 735 1160"> <p>Gov. warehouses, inbuilding</p>  </td> <td data-bbox="742 972 1007 1160"> <p>Perimeter security & gov security</p> <p>Southern Border Campaign Operations</p>  </td> <td data-bbox="1013 972 1326 1160"> <p>Standalone DoD for OCONUS use cases</p> <p>Portable/rugged quick deploy</p> <p>Android tactical network kit</p>  </td> </tr> </table> <p style="text-align: right;">DELLTechnologies</p>				<p>Military base coverage, naval shipyards, etc....</p> 	<p>Gov. warehouses, inbuilding</p> 	<p>Perimeter security & gov security</p> <p>Southern Border Campaign Operations</p> 	<p>Standalone DoD for OCONUS use cases</p> <p>Portable/rugged quick deploy</p> <p>Android tactical network kit</p> 
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Mission-Ready. Trusted. Flexible.

The Dell Federal 5G Solution is engineered to support the modernization of government and military operations. Powered by Dell's trusted expertise and built for your toughest environments, it delivers the confidence, security, and performance that federal missions demand.

Discover how Dell Federal 5G can empower your mission. Contact a Dell Federal Expert today for a tailored consultation.

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