

FORTIFY YOUR NETWORK WITH ADVANCED SECURITY

**PROTECTING CRITICAL INFRASTRUCTURE
AGAINST EVOLVING THREATS**



Satellite communications networks are the backbone of national security and global communication and thus makes them prime targets for cyberattacks. With adversaries developing increasingly sophisticated methods, a single vulnerability could lead to devastating breaches, from data theft to service disruption.

A multi-layered security approach is crucial. By implementing diverse security measures, satellite operators can safeguard critical systems, prevent single points of failure, and ensure continuity even amidst growing cyber threats.

The Intuition ground system employs a secure-by-design approach that ensures strong protection from development through deployment. By leveraging security frameworks and industry best practices, it provides peace of mind and enhances operational reliability. For mission-critical networks, such as defense and government operations, its military-grade security delivers unmatched protection, giving users the confidence to operate securely in even the most demanding environments.

HOW DOES INTUITION'S MULTI-FACETED SECURITY APPROACH HELP SAFEGUARD VITAL OPERATIONS AGAINST EVOLVING CYBER AND INTERFERENCE THREATS?

END-TO-END SECURITY

Intuition's X.509 implementation ensures only authorized access, protecting system integrity and sensitive data. Hardware-based security and CIS-compliant platform hardening reduce the attack surface and safeguard credentials with tamper-resistant storage. Software signing prevents malicious software deployment, while AES-256 encryption secures data transmissions.

SYSTEM-LEVEL SECURITY AND ACCESS CONTROL

Intuition enhances system security with multifactor authentication and secondary verification, reducing unauthorized access risks. Remote authentication simplifies user management while boosting protection by integrating with existing systems. Role-based access controls ensure predefined user group permissions, enforcing the principle of least privilege for added security.

BUILT-IN REDUNDANCY FOR OPERATIONAL RESILIENCE

High-availability architecture and failover mechanisms ensure operations continue seamlessly during system disruptions. Disaster recovery and backup solutions protect critical data and enable swift recovery, minimizing downtime. These technologies ensure resilience and reliable support for mission-critical services.

DEFENSE-GRADE SECURITY MEASURES

Built on CIS, IEC, and NIST standards, Intuition's military-grade security will provide a solid foundation for highly secure government and defense operations. FIPS 140-3 Level 3 compliance delivers advanced cryptographic safeguards and powerful failure detection. TRANSEC capabilities ensure encrypted, high-quality communications for information assurance. To counteract radio frequency interference and jamming threats, Intuition will integrate advanced CSIR™ technology, enabling real-time mitigation of interferers for uninterrupted communications. These features provide unparalleled operational security and adaptability for warfighters to maintain situational awareness for mission success.

SECURITY AT THE CORE

The Intuition security framework is built on globally recognized standards like CIS, IEC, and NIST, providing a strong, reliable foundation. ST Engineering iDirect proactively ensures compliance with key regulations such as the Cyber Resilience Act to keep solutions future-proof and adaptable in a dynamic regulatory environment.

ENSURING SECURE SATCOM NETWORK OPERATIONS

Intuition enables advanced, multi-layered defense strategies designed to protect satcom networks from evolving security threats. Its secure-by-design architecture and military-grade security features will ensure the highest level of protection for mission-critical operations. With Intuition, operators can safeguard critical systems, maintain service continuity, and confidently face the challenges of a rapidly changing threat landscape.

By proactively addressing vulnerabilities, Intuition empowers operators to stay ahead of sophisticated cyberattacks, ensuring uninterrupted network performance even in the most demanding conditions. Its ability to adapt to emerging threats reinforces its role as a trusted solution for maintaining the integrity of both commercial and military satcom applications.

Beyond immediate security benefits, Intuition builds a foundation of trust and confidence for operators and their stakeholders. Its robust, reliable protection paves the way for long-term operational resilience and strengthens the industry's ability to meet evolving security demands head-on.