Cyber adversaries are getting smarter, finding ways around traditional perimeter protection, leveraging vulnerabilities in remote connections and open source technologies, and attacking critical infrastructure networks to threaten government and military missions.

That’s why ViaSat takes a comprehensive approach to network security. Leveraging years of answering the emerging needs of the global information grid, the DoD Defense in Depth strategy, and energy delivery systems, we help you understand potential threats and identify network weaknesses. From your core digital infrastructure to remote mobile connections, we add layers of accredited security to build trust throughout your entire network. Monitoring and visualization software then transforms physical and cyber security data into a real-time view of your network’s security posture, enabling you instantly to detect anomalies, quarantine compromised areas, and avoid service outages caused by cyber attacks or communications equipment failure.

VIASAT TRUSTED NETWORKING SYSTEMS AND SERVICES

**Accredited and Proven Security**
- CSfC compliant and Type 1 (US DoD) certified
- FIPS 140-2 certified
- DIACAP accredited
- NERC CIP compliant

**Building Trusted Networks**
- Penetration testing
- Software-programmable network security appliances
- Hard drive and data storage encryption
- Network acceleration and optimization

**Secure Mobile Communications**
- Securely connect COTS mobile devices to the enterprise
- Trusted operations on public networks
- Low SWaP, embeddable, and ruggedized security appliances

**Actionable Cybersecurity Intelligence**
- Real-time visualization and monitoring software
- Dynamic Quality of Trust assessment across the network
- Cyber and physical security overlay
- Compatible with existing network infrastructure
Trusted Networking & Cybersecurity

Persistent Protection for Digital Infrastructures

With every passing minute, a growing number of hostile forces attempt to hack and compromise the classified and sensitive information networks and infrastructure of government, military, and commercial organizations. ViaSat arms public and private digital infrastructures with comprehensive cybersecurity to completely protect your network and information against cyber attacks.

We start by building trust into devices, endpoints, data centers, and networks throughout your infrastructure to minimize the attack surface. We add layers of encryption, authentication, identity management, key management, and packet inspection for data as it is stored, transmitted, and accessed throughout the network. Our integrated monitoring software then transforms physical and cyber security data into real-time actionable intelligence.

» Trusted security integrated throughout the infrastructure
» Standards-based key management for enterprises
» Anomaly detection and event correlation to combat multi-factor attacks
» DIACAP accredited and NERC CIP compliant
» Actionable intel for private and public domains

Trusted Communications for Mobile Enterprises and Forward-Deployed Operations

Forward-deployed operations hinge on the ability to securely share and access critical intel, no matter where your mission takes you. Chosen for operations such as US Marine Corps Trusted Handheld, ViaSat enables full wireless access to the enterprise via encrypted communications, data storage, and cyber protection on the latest commercial-off-the-shelf (COTS) smartphones, tablets, and other mobile devices.

Mobile users are given a multi-persona experience, so they can use the same COTS device for work and play, or for multiple security domains of different classification levels. High-grade security is integrated throughout the device, the cloud, and the app store, so IT managers can remotely manage security and keep the network safe.

These secured mobile devices can be used over public carriers or paired with ViaSat’s rapidly-deployable satellite backhaul services for instant cellular and broadband Wi-Fi communications at the last tactical mile.
Building Trust with Distributed Security Appliances

Zero-day attacks by nature can't be stopped, but with distributed protection throughout your network they can be quickly detected and isolated before causing serious damage. ViaSat security appliances can be added to virtually any network or platform to deliver trusted protection for data in transit, data storage, and authenticated network access.

- Non-CCI and Type 1 HAIPE® network encryptors
- FIPS 140-2 to Type 1 embeddable cryptographic modules and data storage appliances
- Widely fielded software-programmable network security architecture
- Commercial Solutions for Classified (CSfC) compliant appliances
- Internal, external, portable, SSD, and ruggedized hard drive encryption configurations
- US, UK, NATO, Canada classified data storage protection

Real-Time Situational Intelligence

ViaSat real-time monitoring and visualization software integrates with physical security elements throughout your network to detect anomalies and quarantine compromised areas.

- Monitor, detect, and respond to cyber threats
- Quality of Trust assessment across the entire network
- Cyber and physical security overlay
- Multiple customizable views
- Interoperable and compatible with existing network infrastructure

Managing Your Network Security

Leveraging a software-programmable architecture and integrated remote management capabilities, ViaSat ensures your secure infrastructure can quickly evolve to meet emerging cybersecurity requirements, without costly hardware changes. Remotely distribute keys and updates, or evaluate new technologies as they become available. For full-service support managing and protecting your critical networks, we also offer around-the-clock Secure Operations Center (SOC) services.
Trusted Networking & Cybersecurity

Efficient and Media-Rich Secure Networking

Across the battlespace and around the world, there is a growing need to connect forward-edge warfighters and enterprise facilities with secure, timely, media-rich information. With the launch of the world’s highest-capacity satellite, ViaSat-1, we understand how to meet the skyrocketing demands for increased bandwidth. Our long history in satellite and wireless communications networking is directly reflected in our information assurance and cybersecurity technologies.

Over the past 10 years, ViaSat has consistently been the first to introduce new advanced networking capabilities into HAIPE® network encryption, such as Open Shortest Path First (OSPF) routing, multicast on demand, and HAIPE® to HAIPE® over-the-air/net keying. We understand that securing communications across your network shouldn’t result in lowered quality of service or a degraded user experience. With network acceleration and optimization technologies integrated into our security appliances, you can gain up to 20% savings in bandwidth. ViaSat helps you apply classified-grade security to modern-day technologies and makes sure you get the most efficiency out of your network.

Accredited, Field-Proven, and Custom Security

ViaSat security appliances are accredited and certified around the world for use by government agencies, military forces, public utilities, and education and healthcare organizations to ensure premium network and data protection. We work closely with certifying agencies to meet interoperability requirements and regularly solicit feedback from end users to make sure our technologies are easy-to-use. Let us know your requirements and we can help you architect a custom secure communications network or strengthen your existing infrastructure with added security and integrated management and visualization capabilities.

CONTACT

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