Inseego Secure™

Securing the connected future

Inseego Secure with proactive, real-time cybersecurity on Inseego devices, is an AI-based, cloud-based software solution for autonomous threat resolution to establish Inseego as a security leader, while reducing the risk of cyber-attacks and lowering operating costs across functions

Inseego Secure Endpoint Protection

A multi-layered holistic security platform for IoT devices with, an autonomous, real-time prevention, detection, and response, eliminating security breaches, decreasing operational costs, and reducing emergency firmware upgrades. AI-powered software agent, 24/7 SOC, and constantly updated threat intelligence, Inseego Endpoint Protection delivers the peace of mind of knowing threats are mitigated in real time, without the need for intervention.

Proactive Protection from IoT Cyber Threats

Protect your device base from viruses, malware, and other threats

- IoT Malware, Ransomware, Cryptominers, Backdoors
- Network Attacks: Man-In-The-Middle, ARP / DNS Spoofing, DNS Rebinding
- Vulnerability & Online Bot Scanners (Shodan, ZoomEye, etc)
- Unknown 0-Day Exploits (including remote code execution)
- Denial of Service (DoS) Attacks

Management Platform – Monitor and Enforce Polices

Centralized management and enforcement are the key to effective and efficient protection. The Inseego solution provides centralized visibility, policy configuration and enforcement:

- Web Dashboard & API (Full Fleet Visibility)
- Network Communication Enforcement (Firewall)
- Executables Enforcement (Application Whitelisting Control)
- Cyber Protection Capabilities Configuration

Compliance & Regulations

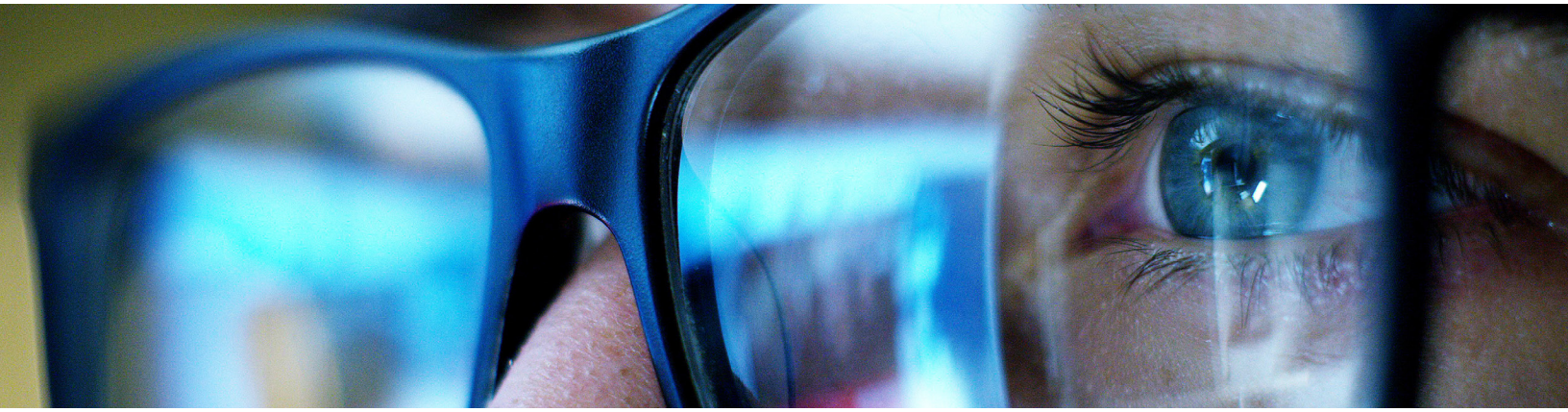
The Inseego solution enables you to obtain compliance against an industry-accepted security standard like PCI DSS, APRA or ISO 27001 by demonstrating that you have applied documented vulnerability & risk management standards against all systems within the scope of assessment.

State of The Art Cyber protection

Machine learning Cloud Engine

The AI-powered engine gathers complex event sequences and processes from the entire fleet and protects devices using three features:

- Threat Intelligence Engine - detecting both Network & OS layer activities
- Behavioral-based Analytics Engine
- Fleet-level Security Heuristics
- Operational Insights (real-time visibility to the fleet's dynamic behavior. For example, data about online, disappeared, network-jittering and constantly crashing devices)
- Deployed Honeypots Worldwide



Fleet Risk Visibility & Protection

Real-time Vulnerability Monitoring

- Receive real-time alerts about installed or used software with existing vulnerabilities
- Get real-time visibility to the security status of their deployed devices worldwide
- Save R&D costs related to patch management and vulnerability monitoring

Real-time security hardening

- Scan for, constantly monitor and fix security misconfigurations in a fleet's devices based on the most recent CIS (the Center of Internet Security) Benchmarks.

CIS Controls and Benchmarks are global standards for internet security and are recognized as a global best practice for securing systems and data against attacks.

Inseego has implemented thousands of different CIS benchmarks, targeting a variety of OS and Linux distros, to provide better protection for our customers.

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Network Intrusion Detection & Protection

- Network Attacks Protection
- TCP/IP, DNS & Ports Monitoring
- Bruteforce & Port Scanning Protection
- ARP Poisoning Protection

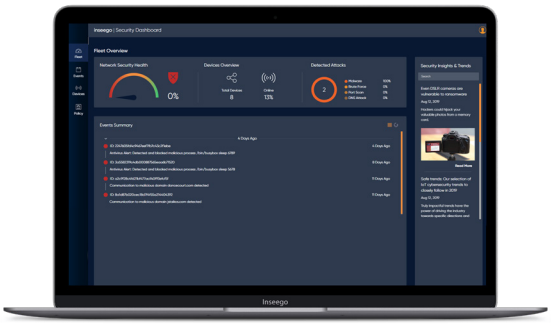
Host Intrusion Detection & Protection

- Abnormal Behavior-based Protection - 0-Day Remote Code Execution & Malwares Protection
- Signature-based Protection (Antivirus)
- Application Whitelisting

Policy Enforcement

Provides centralized visibility, policy configuration and enforcement, and powerful content filtering capabilities.

- Domains allowed blocking lists
- Category based filtering
- VPNs & Proxy avoidance
- DNS Traffic Redirection: preventing circumvention by protecting against using a different DNS server (e.g., "8.8.8.8")



24/7 Security Operation Center

Our solution includes a dedicated Security Operations Team (SOC) that conducts research, data analysis, security event investigations and offers 24/7 cybersecurity support. SOC teams help gain knowledge on IoT devices and make optimal decisions regarding anomalies, intrusion detection, and event analytics. They respond to "grey area" events that are flagged as suspicious but may not necessarily be malicious, so they would not be blocked automatically.

Supported Devices

Inseego Secure will support Inseego's Skyus 160 Gateway with various use cases for energy, utilities, healthcare, manufacturing, and the Government. The future releases will benefit Inseego's 5G portfolio with an advanced feature as an on-device agent that can mitigate continually evolving cyber threats.

Value Beyond Just Cyber Protection: Secure Remote Access

Allows access to remote devices via an encrypted TCP tunnel, which is secured and provided by Inseego. With this connection, you can access remote devices (for example by SSH), that reside behind a NAT without the security concern and technical difficulty of port forwarding or another vulnerable/costly communication method.

Agent Specifications & Deployments

- OS: any-kind of Linux distribution
- Arch: x86/x64, MIPS, ARM & more
- Storage: < 2MB, Memory: 16MB
- CPU: < 3%

User Mode Package: Added to the device's boot sequence, running in user mode (root) without kernel changes, lowering the integration's complexity and risk level.
Aftermarket: Agent can be installed on already deployed devices as part of a firmware/software update.

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Rev 2

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