ShieldIOT

Security for Internet of Things

Device Manufacturer

Network Operator

Service Provider

ShieldIOT develops an innovative cloud-based security management and control platform, purpose-built to protect any IoT device, application and network. ShieldIOT enables device manufacturers to secure new and existing devices, safeguards network operator IoT infrastructure and helps IoT service providers and MSSPS to generate new revenue streams from a wide range of security and operational value-added services.

IoT Security Manager

The ShieldIOT centralized security management and control center enables IT security teams to secure and manage large-scale, heterogeneous IoT networks via an intuitive, cloud-based application. ShieldIOT simplifies the configuration and management of device policies, alerts, security updates and threat mitigation actions.

ShieldIOT Security Platform

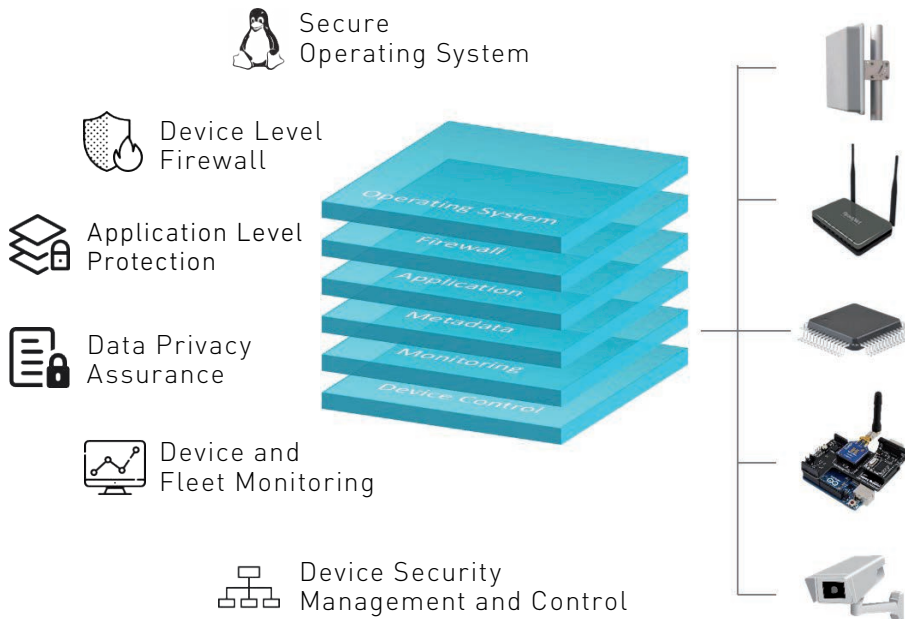Gateway Security · Security Manager · AI Network Security
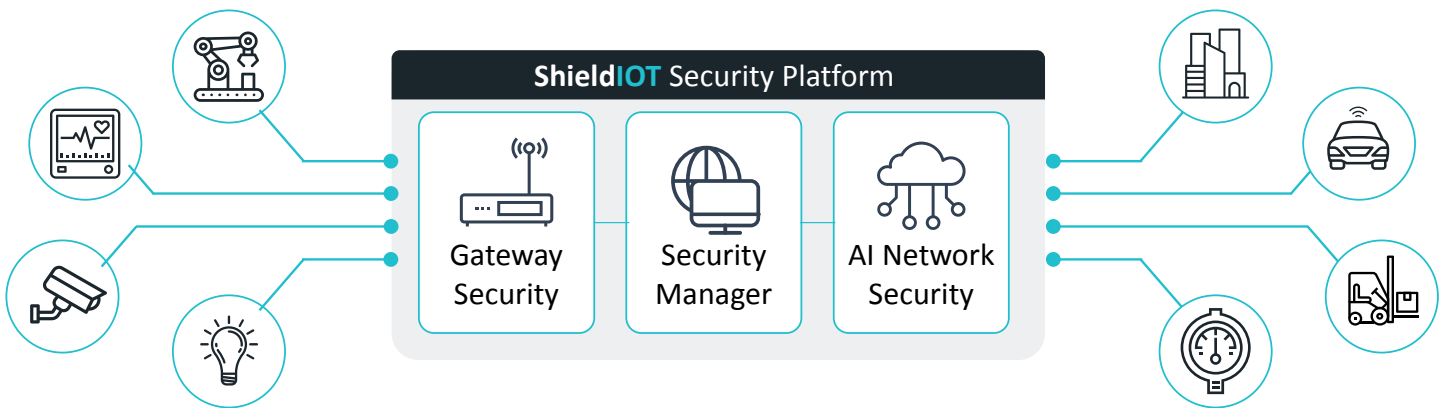
AI Network Security

The ShieldIOT AI network security solution analyzes the direct communication between devices and cloud to identify the first signs of anomalous activity. Detected threats include DDoS attacks, unknown malware, communication hijacking, reply attacks, node duplication, misconfiguration and other operational anomalies. Based on over 12 years of Coreset-AI academic research, the ShieldIOT patented agent-less solution is used across multiple vertical applications including smart cities, connected transportation, smart manufacturing and smart grid.

- **Unmatched accuracy:** Up to 20 times lower false positive rates compared to other industry solutions.

- **Early Warning System:** Utilizes real time streaming to reduce detection time from one week to one minute with no speed or accuracy tradeoffs.

- **Actionable Alerts:** Automated / simplified threat mitigation based on out-of-the-box forensic information such as affected devices, event type, severity, score and trigger features.

- **Unlimited Scalability:** Across millions of connected devices, applications and protocols including LoRa, NB-IoT, 3G / 4G / 5G.

Gateway Security

ShieldIOT provides multiple layers of protection for the device operating system and applications. ShieldIOT is the ideal solution for the protection of Linux-based edge devices including gateways and connected sensors.

Secure Operating System

Device Level Firewall

Application Level Protection

Data Privacy Assurance

Device and Fleet Monitoring

Device Security Management and Control

Operating System
Firewall
Application
Metadata
Monitoring
Device Control

Attack-Proof Operation
Edge devices continue normal business operation even when compromised.

Autonomous Threat Mitigation
99% of all security and operational events automatically prevented at the device level.

Production Ready
Secure devices with no change to application code, functionality or performance.

Our Value Proposition

The ShieldIOT software security platform enables service providers to:

01 Secure Any IoT device, application and network.

02 Generate new revenues with new IoT security services.

03 Automated non-expert threat mitigation.

04 No change to exiting IoT customer networks.

05 No special security expertise or resources needed.

06 Unlimited business growth opportunities for any amount of devices, applications, protocols.
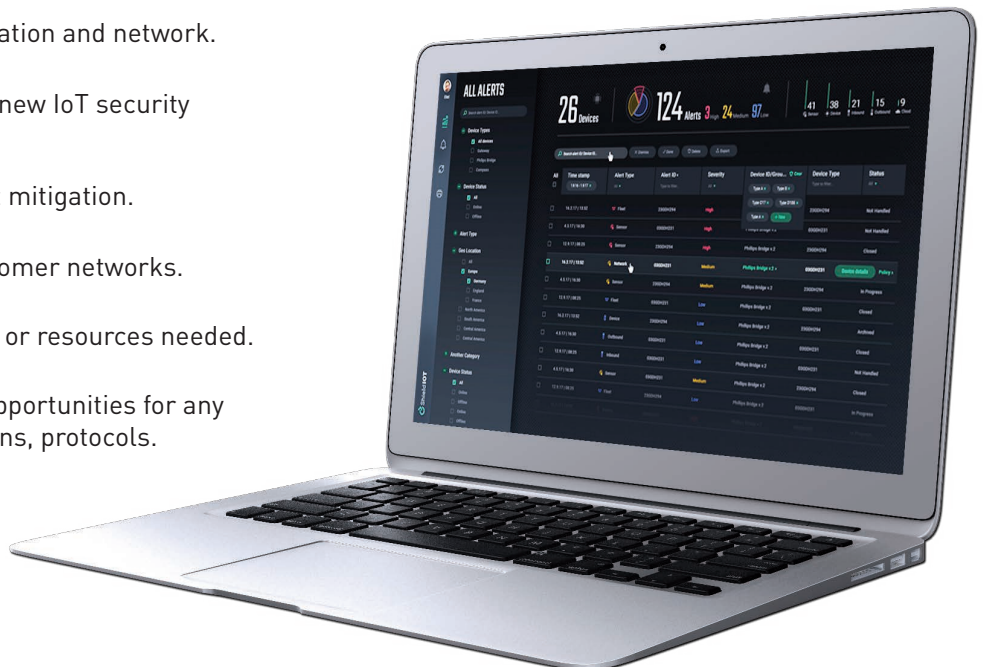
shieldIOT

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