

LIT IoT Lock Solutions

Secure • Smart • Tamper Proof

Overview

LIT's IoT **intelligent locking systems** are built to protect high value cargo during transportation and during storages.

These smart IoT locks combine mechanical integrity with **GPS tracking**, **sensor monitoring**, and **tamper clear mechanisms**.

Whether securing on premises storage, cross border shipments or local deliveries, LIT's solution ensures cargo is **fully secured and monitored**.



The Challenge

Global cargo networks face increasing risks ranging from theft and route deviation to tampering, damage, and smuggling. Traditional seal-based systems offer limited protection and no real-time insight, leaving operators blind to critical events.

LIT bridges this gap with an integrated solution that **monitors cargo location, status, and handling conditions** in real time empowering operators to respond before issues become losses.

Key Features

Tamper Detection & Alerts

Immediate notifications triggered by unauthorized movement, lock access attempts, or seal breakage.

Live Location Tracking

Monitor cargo movements through GPS and GSM-enabled devices that report position at configurable intervals.

Route Compliance and Geofencing

Set approved delivery corridors and receive alerts when the cargo enters or exits designated zones.

Event Logging & Audit Trail

Full log of activities like opening, closing, and alarms for inspection.

Dedicated mobile application

Mobile management solution for activation, tracing, deactivation and more.

Optional Sensor Integration

Link with fuel flow sensors, temperature monitors, or load detectors for comprehensive visibility.

Audit Logs and Analytics Dashboard

Every event is time-stamped, stored, and presented in a centralized portal for reporting and compliance review.

Benefits

Prevents Theft & Diversion

Locks cannot be bypassed or resealed without detection ensuring supply chain integrity.

Supports Regulatory Compliance

Ideal for governments and distributors needing verifiable cargo logs and secure controls.

User-Friendly Application

Designed for fast application and user-friendly management.

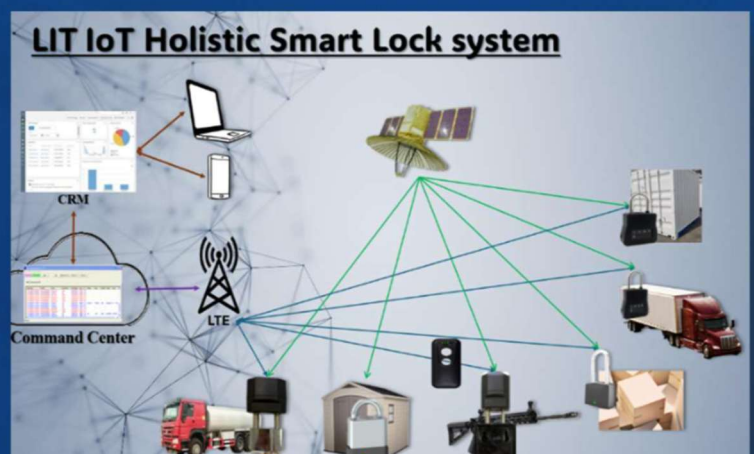
Flexible Deployment

Available in manual, semiautomated, or fully connected (IoT) configurations based on client needs.

Implementation & Support

LIT delivers a turnkey solution, including:

- IoT Lock installation and configuration
- Backend monitoring system setup
- Staff training and operational support
- API integration for CRM/ERP and other management systems



Comparison: IoT Smart Lock vs. Standard Lock

Category	IoT Smart Lock	Mechanical Lock
Monitoring & Visibility	Real-time tracking of lock status (open/closed), user activity, and location.	No remote monitoring; requires physical inspection.
Event History & Logging	Full digital event history – who opened, when, and where.	No automatic record; must be logged manually if at all.
Alerts & Notifications	Instant alerts for tampering, unauthorized access, or movement outside geo-zone.	No alerts
Location Tracking (GPS / GIS)	Built-in GPS for live location tracking and geo-fencing alerts.	No location tracking or geo-awareness capability.
Integration	Can integrate with CRM, fleet management, or access-control systems via API.	Not integrable; standalone mechanical or electronic unit.
Maintenance & Updates	Firmware updates and configuration changes over the air (OTA).	Manual maintenance.
User Interface	Web and mobile dashboards with maps, alerts, and reports.	None.
Scalability	Easily scalable to hundreds or thousands of locks via centralized cloud management.	None.
Data & Analytics	Provides usage statistics, battery health, and operational insights.	No data collection or analytics capabilities.
Multi-language Support	Supports multiple languages.	Not applicable.
Energy & Battery	Powered by rechargeable or replaceable battery, with low-battery alerts.	Not applicable.

Contact Details



+972 (8) 979.7766



info@miragelit.com



www.miragelit.com