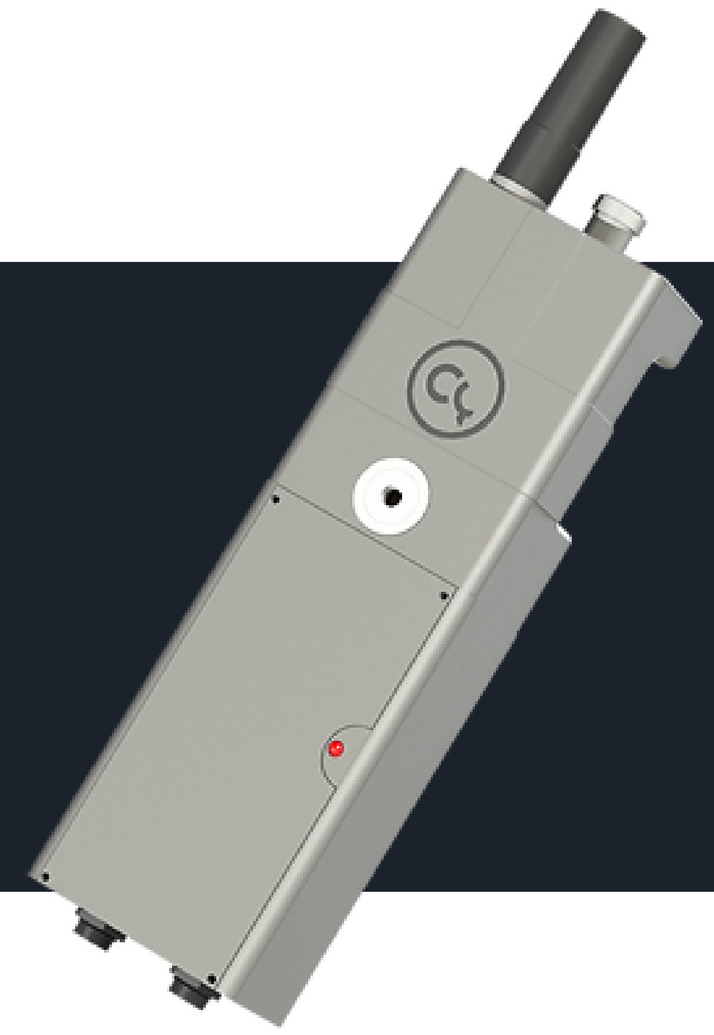
CyCollector™

Secure Container
and Asset Monitoring System

Robust industrial grade portable IOT gateway with patented lock mechanism



Features

REAL TIME LOCATION AND LIVE TRACKING WW
Know accurate location of your assets anywhere in the world

LONG LIFE RECHARGABLE BATTERY OR FIXED POWER 3-6
Up to 3-6 months battery life on a single charge

MONITOR ASSET ENVIRONMENTAL CONDITIONS IN REAL TIME
Temperature, humidity, shock, light, pressure, air quality and others within the container or storage unit with CyTag™ asset tag

CONFIGURABLE ALARM PARAMETERS
Set critical alarm parameters and notifications for service dispatch, theft or tampering

RUGGED INDUSTRIAL CASING WITH TAMPER PROOF LOCK
Designed specifically securing shipping containers and their assets with patented bluetooth enabled lock design

MULTIPLE CONNECTIVITY OPTIONS 1
GSM/4G LTE/NBioT, Thuraya SATCOM, WiFi, LAN,BLE5.2, RFiD reader, LoRa options

Product Description

In average over 30% of packages and goods shipped are lost, damaged or misrouted. Perishables are spoiled due to incorrect or inefficient environmental monitoring of goods in storage and in transit. Due to this, freight insurance and logistic management costs are extremely high in addition to customer dissatisfaction.

Eliminate spoiled, damaged, misdirected and stolen assets by 24/7 tracking and surveillance with Cypod CyCollector™ Container Tracking and Monitoring solution.

The CyCollector™ is a portable IOT gateway which has an rugged industrial IP 67 design with an advanced bluetooth controlled tamper proof lock mechnism specifically designed for enhanced security of shipping containers. Various connectivity options are available such as WiFi, LAN, GSM/4G and SATCOM including LoRa and SigFox options to ensure data transmission in remote environments and locations. When no signal is available, the CyCollector™ will log all data collected and push to the back end when signal strength is restored and always choose the most strongest and economical data tranport technology.
The CyCollector™ supports up to a one year battery life on a single charge and is easily installed.

In addition to providing live location and tracking of containers and assets, when combined with the Cypod CyTag™ environmental sensor, enviromental parameters of the assets can also be monitored. The CyTag™ is a small robust wireless sensor tag with long battery life providing two way communication enabling real time identification of goods and its location, temperature, humidity, pressure, air quality and shock/movement detection.

The entire system is managed by the Cypod IOT Management Software which is a front end dashboard providing the means for asset and device management and data visualization. Thousands of assets can be visualized and managed through a single common operational dashboard. An API is available for integration of sensor and location data directly into an ERP or logistics system.

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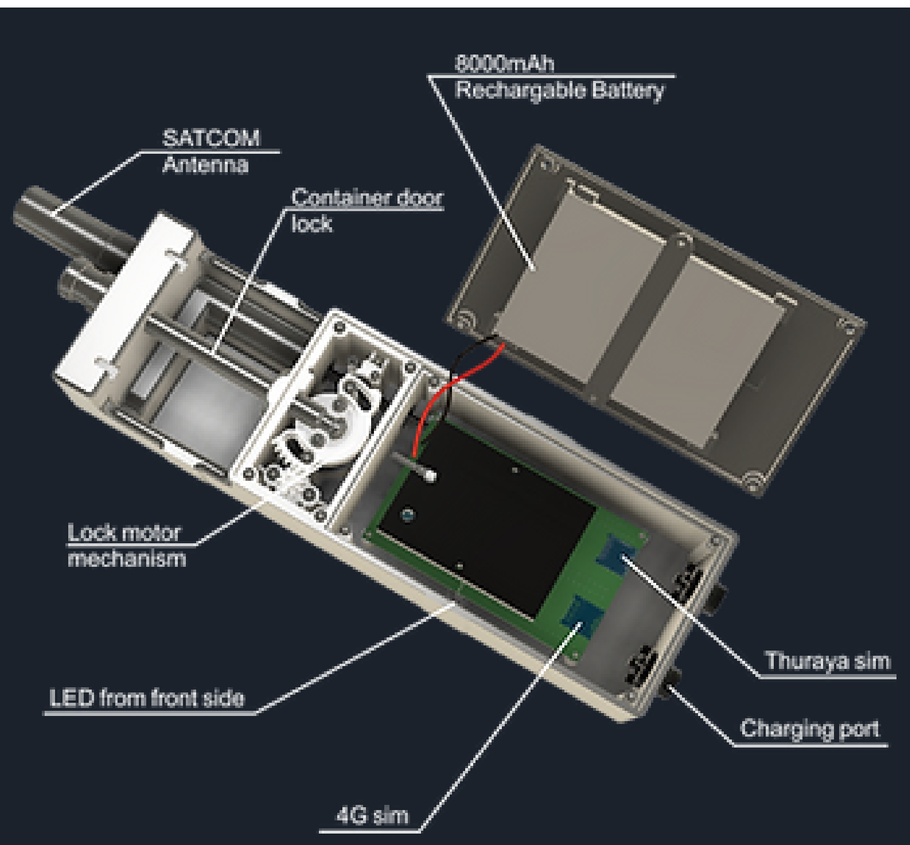
CyCollector™

Use Cases and Technical Specifications

- Robust Anti Theft Lock mechanism
- Industrial IP67 rated aluminum casing
- 1 Year battery life before recharge
- Multiple connectivity options
- GSM/4G and SATCOM versions available
- RS485 port and RFiD reader



Track and Monitor Containers and Assets Inside Worldwide

Land, Rail, Land or Sea

Agriculture, Farming and Industrial Remote IOT Use Cases and Applications

Use Cases

CyCollector™ combined with the CyTag™ sensor system can be used for various use cases in addition to asset / container monitoring and tracking such as smart agriculture and farming solutions, cold chain monitoring, large equipment management, and other industrial applications.

Technical Specification

Type	Specification
Dimensions	L 265mm(328 w antennas) X W 82mm X H 53.5mm
Weight	1,5 kg
Operational/Storage Temperature	-35 C /+75C ¦ -31F /167F ¦ -40C / +85C ¦ -40F / 185F
Operational/Storage Humidity	Humidity 5-95% RH Non Condensing
Input Voltage	+5VDC
Power Supply	External with 3m SUB Micro USB-B input 90-264VAC 47-63hz Output: 5v /5w
Battery	8000 MaH Lithium Ion Polymere (LIP) rechargeable battery
Backhaul	GSM 2G/4G LTE Cat M1 and LTE Cat NB2, Thuraya SATCOM
Sensor communication	Bluetooth 5.2
Memory	FLASH Memory IC 64Mbit
Lock Mechanism	Bluetooth enabled motorized steel shackle / Unique physical key / Tamper Proof
Positioning	4G triangulation or GPS
Data encryption	AES-128: Encrypt/Decrypt
Casing	Aluminum IP67 rated
LEDs	One battery status indicator
IP Rating	IP67

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