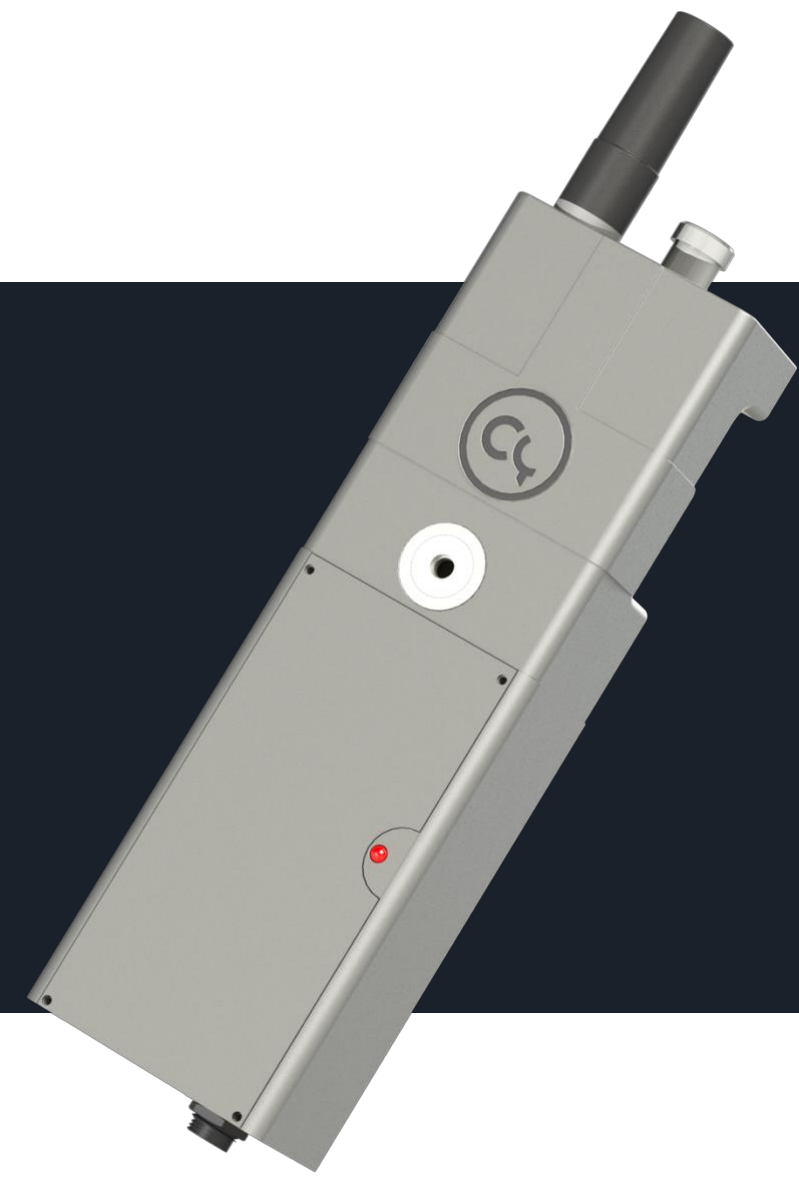




CyLock™

Secure Container and Asset Monitoring System

Robust industrial grade portable IoT gateway with patented lock mechanism



Features



REAL TIME LOCATION AND LIVE TRACKING

Know the accurate location of your assets anywhere in the world



LONG LIFE RECHARGEABLE BATTERY OR FIXED POWER

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 a patented Bluetooth-enabled lock design



MULTIPLE CONNECTIVITY OPTIONS

GSM/4G LTE/NB-IoT, Thuraya SATCOM, WIFI, LAN, BLE5.2, and LoRa options

Product Description

On 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 logistics 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 CyLock™ Container Tracking and Monitoring solution.

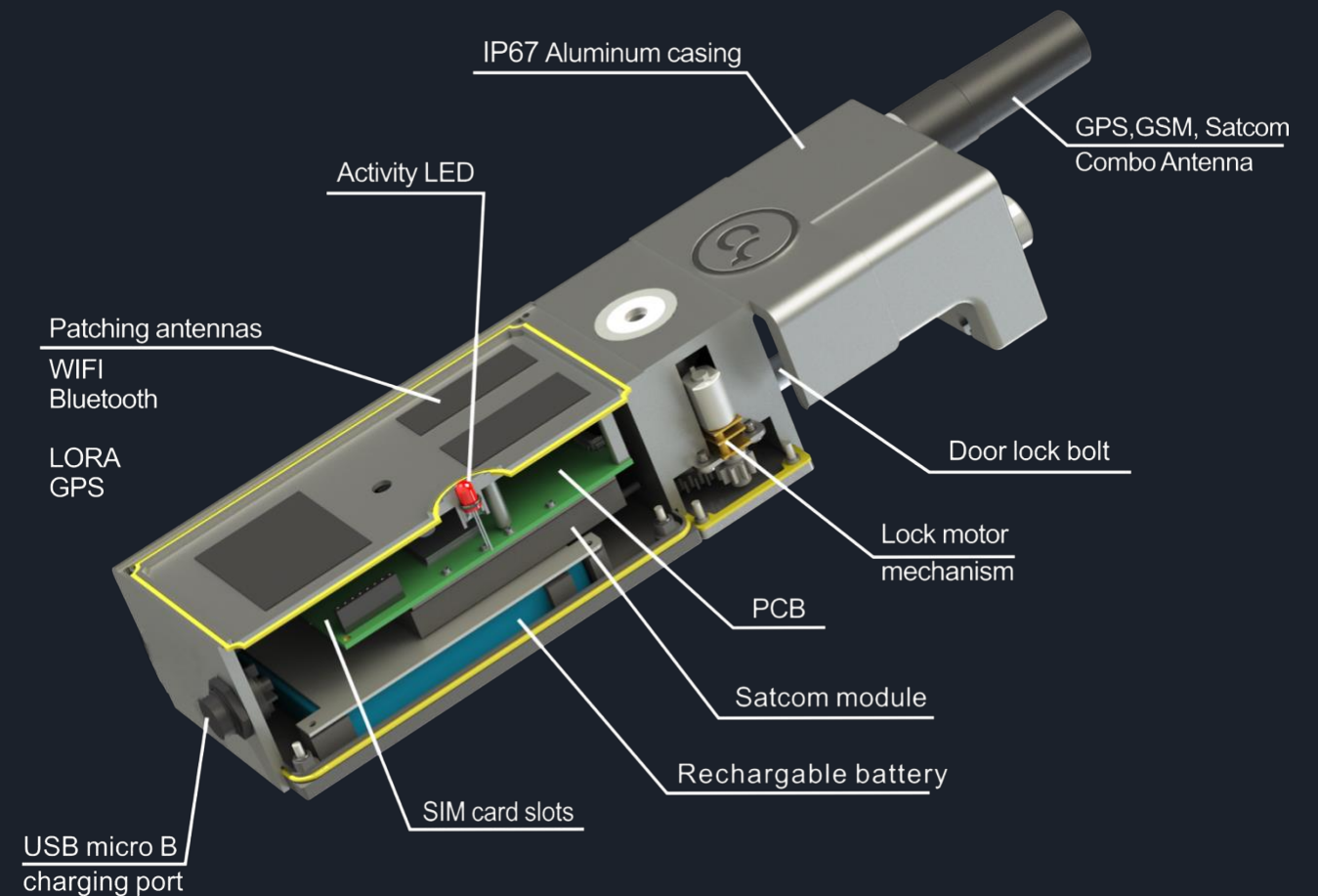
The CyLock™ is a portable IoT gateway that has a rugged industrial IP 67 design with an advanced Bluetooth-controlled tamper-proof lock mechanism specifically designed for enhanced security of shipping containers. Various connectivity options are available such as WiFi, LAN, GSM/4G, and SATCOM including LoRa option to ensure data transmission in remote environments and locations. When no signal is available, the CyLock™ will log all data collected and push to the back end when signal strength is restored and always choose the strongest and most economical data communication technology.

The CyLock™ supports up to 3-6 months 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, the environmental 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 their location, temperature, humidity, pressure, air quality, and shock/movement detection.

The entire system is managed by the Cypod IoT Management Software which is a frontend 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 the integration of sensor and location data directly into an ERP or logistics system.

- Robust Anti-Theft Lock mechanism
- Industrial IP67 rated aluminum casing
- 3-6 Months battery life before recharge
- Multiple connectivity options
- GSM/4G and SATCOM versions available



 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

CyLock™ 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 265 mm (328 W antennas) X W 82 mm X H 53.5 mm.
Weight	1.6 kg
Operational/Storage Temperature	-35°C / +75°C -31°F / 167°F -40°C / +85°C -40°F / 185°F
Operational/Storage Humidity	Humidity 5-95% RH Non-Condensing
Input Voltage	+5 VDC
Power Supply	External with 3m SUB Micro USB-B input 90-264 VAC 47-63 hz Output: 5v /5w
Battery	8000 mAh Lithium-Ion Polymer (LiP) rechargeable battery
Communication	GSM 2G/4G LTE Cat M1 and LTE Cat NB2. Thuraya SATCOM
Sensor Communication	Bluetooth 5.2
Memory	FLASH Memory IC 16 Mbit
Lock Mechanism	Bluetooth enabled motorized steel shackle / 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