



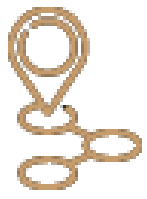
CySeal®

Smart, Secure, and Connected Container Locking and Tracking Solution

Robust portable IoT gateway with Tamper-Proof universal locking mechanism



Features



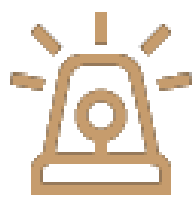
REAL-TIME LOCATION TRACKING & MONITORING

Know the accurate real-time location of your Container, Cargo/ assets anywhere in the world



LONG LIFE RECHARGEABLE BATTERY

Up to 3-6 months battery life on a single charge



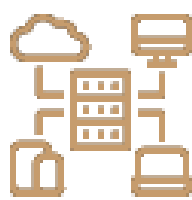
CONFIGURABLE ALARM PARAMETERS

Set critical alarm parameters and notifications for service dispatch, theft, route deviation, unauthorized access, etc.



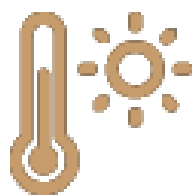
ROBUST CASING WITH TAMPER-PROOF LOCK

IP-67 RATE Designed to withstand dust, moisture, and tough weather conditions, along with Bluetooth / GSM enabled Tamper-Proof universal lock design



MULTIPLE CONNECTIVITY OPTIONS

Dual Physical SIM
GSM 2G GPRS / 4G LTE-Cat 1, BLE5.3,
Thuraya SATCOM



MONITOR ASSET ENVIRONMENTAL CONDITIONS IN REAL-TIME

Temperature, humidity, shock, light, proximity, and others within the container or storage unit with CyTag™ asset tag



STRONG STRING AND MAGNETIC MOUNT

Flexible and easy installation to any container type without extra tools

Product Description

The CySeal™ is an advanced GPS Tracker Lock and gateway, meticulously engineered to redefine container security and asset tracking. Designed with a rugged IP67 industrial-grade enclosure, CySeal™ stands resilient against harsh environmental conditions while offering a Bluetooth/ GSM controlled tamper-proof locking mechanism, ensuring unmatched protection for shipping containers.

Empowered with multi-layered connectivity, CySeal™ seamlessly integrates 2G (GSM/ GPRS/4G LTE) and SATCOM technologies, guaranteeing uninterrupted data transmission even in the most remote locations. When signal coverage is unavailable, the system intelligently logs all data and transmits it once connectivity is restored, optimizing communication through the strongest and most cost-efficient network available.

Designed for effortless installation, CySeal™ features high-strength magnetic mounting, enabling quick attachment to any container type without tools or additional hardware. With an extended battery life of 3-6 months per charge, it ensures long-term, uninterrupted operation.

Beyond location tracking, CySeal™ elevates cargo visibility and security when paired with the Cypod CyTag™ environmental sensor. This integration provides real-time monitoring of environmental parameters such as temperature, humidity, light, proximity, and movement/shock detection, ensuring optimal asset protection throughout the journey. Furthermore, CySeal™ supports Bluetooth Long Range technology, enabling seamless integration with third-party sensors and devices for a comprehensive IoT ecosystem.

At the core of the CySeal™ solution is the Cypod IoT Management Software, a powerful front-end dashboard that enables centralized asset and device management. Thousands of assets can be monitored, analyzed, and controlled from a single, intuitive platform, delivering unparalleled operational efficiency. For businesses requiring deeper system integration, API connectivity ensures seamless synchronization with existing ERP and logistics management systems.


With CySeal™, logistics and supply chain operators gain unmatched control, security, and intelligence—ensuring every shipment is protected, monitored, and efficiently managed from origin to destination.

- Real-Time Location Monitoring of Container and Cargo
- Robust IP67-rated casing withstands dust and moisture
- Up to 3 – 6 months battery life on a single charge
- Real-Time alarms and Notifications
- Tamper-Proof Locking Mechanism, Remotely Controlled
- Supports Dual (U) SIMS in addition to SATCOM SIM
- GSM / 4G LTE-Cat 1/ BLE 5.3, and SATCOM (Optional)
- GNSS and LBS for Location Positioning




 Monitor Containers and Assets inside, worldwide



 Fleet Monitoring and Management, Tracking its location and status



 Track Containers through its Multimodal Journey (Land, Rail, SEA)

Use Cases

CySeal® is used for various use cases, including container and asset monitoring and management to provide real-time information about container/ asset status, location for security, and quick service dispatch, as well as inventory management and monitoring purposes.

Technical Specifications

Type	Specification
Dimensions	L 165 mm X W 115 mm X H 60 mm.
Weight	1200 grams
Operational/Storage Temperature	-20°C /+60°C -40°C /+80°C
Operational/Storage Humidity	Humidity 5-95% RH Non-Condensing
Input Voltage	+5 VDC
Power Supply	External with 3m SUB Micro USB-C input 90-264 VAC 47-63 hz Output: 5v /5w
Battery	8000 mAh Lithium-Polymer (LiPo) rechargeable battery
SIM Cards	2 Physical (U) SIMs + 1 SATCOM SIM (Option)
Communication	GSM/4G LTE Cat 1, Thuraya SATCOM (Optional)
Sensor Communication	Bluetooth (BLE) 5.3
Memory	FLASH Memory IC 16 Mbit
Lock Mechanism	Bluetooth enabled motorized String / Tamper Proof
Positioning	GNSS and LBS
Supported Satellites	GPS/ GLONASS/ BDS/ Galileo/ QZSS
Data encryption	AES or RSA or through TLS <= 1.2
Casing	ABS, Engineering Plastic
Protection Grade	IP67 - Rated
Software upgrade	OTA
Installation	Magnetic attached