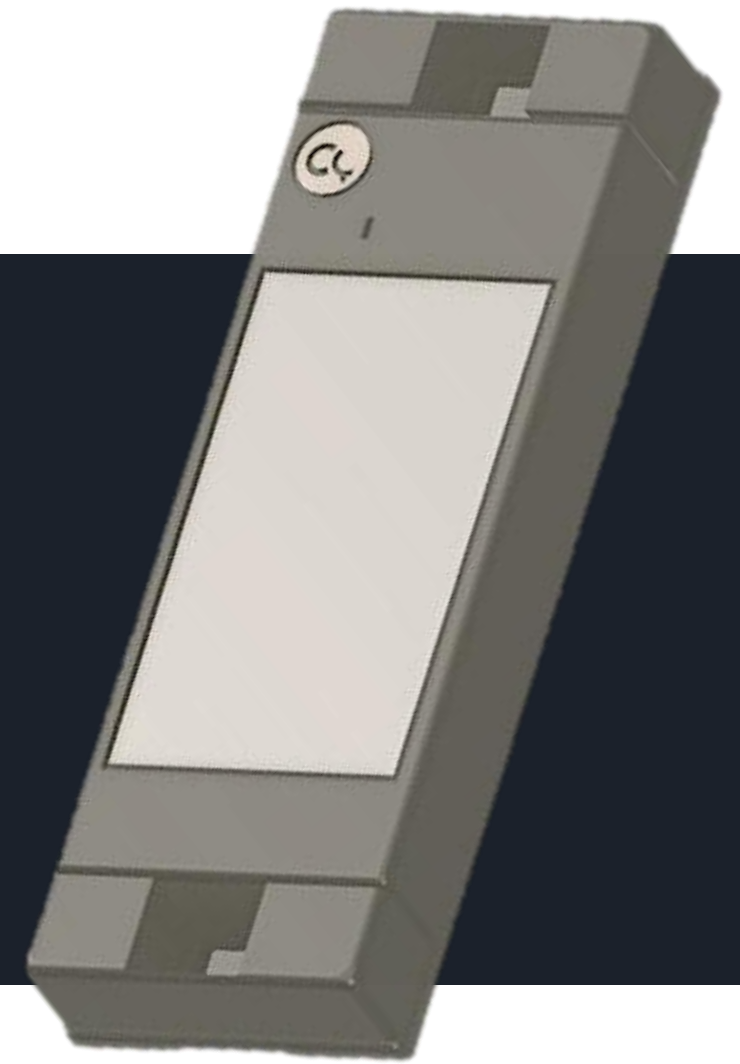




# CyTrack<sup>®</sup>-GSP

## Secure Cargo and Asset Monitoring and Tracking Solution

Robust portable IoT Tracker with Solar Panel for Uninterrupted Power

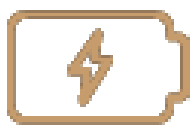


### Features



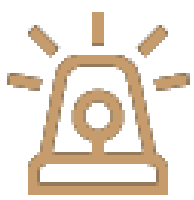
#### REAL-TIME LOCATION Monitoring

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



#### LONG LIFE RECHARGEABLE BATTERY

Up to 6 months of continuous operation



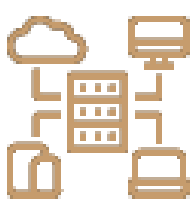
#### CONFIGURABLE ALARM PARAMETERS

Set critical alarm parameters and notifications for service dispatch, theft,



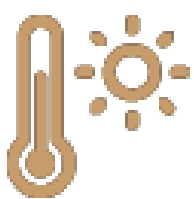
#### ROBUST CASING FOR ENHANCED PROTECTION

IP-67 RATE Designed to withstand dust, moisture, and tough weather conditions



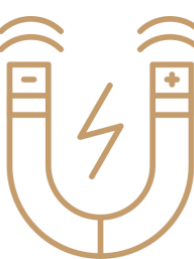
#### MULTIPLE CONNECTIVITY OPTIONS

GSM/ 4G LTE-Cat 1, BLE5.3,



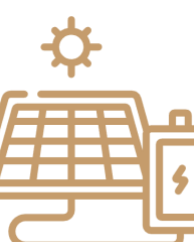
#### MONITOR ASSET ENVIRONMENTAL CONDITIONS IN REAL-TIME

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



#### STRONG MAGNETIC MOUNT

Flexible and easy installation without extra tools



#### SOLAR PANEL FOR UNINTERRUPTED POWER

Ensures uninterrupted connectivity even when the device runs low on battery.

### Product Description

The IoT CyTrack<sup>®</sup>-GSP is a versatile solution designed for seamless monitoring and management of assets and cargo in both indoor and outdoor environments. Easily attachable to cargo and assets, it ensures continuous monitoring during offloading, storage in warehouses, and outdoor transportation. The device employs GPS for precise outdoor tracking and Bluetooth Low Energy (BLE) for accurate indoor positioning when connected to Gateways.

Ensuring reliable communication, the CyTrack<sup>®</sup>-GSP utilizes GSM/ and 4G LTE Cat 1 to transmit real-time cargo positioning information to the Backend server. In the absence of network connectivity, the device logs data, pushing it to the server upon reconnection. Its IP67-rated weatherproof casing ensures resilience against dust, moisture, and challenging terrains, allowing the tracker to operate flawlessly in diverse conditions.

With a powerful rechargeable battery, the CyTrack<sup>®</sup>-GSP provides up to 6 months of continuous operation. Moreover, its efficient solar panel ensures uninterrupted power and connectivity even when the device is running low on battery.

The CyTrack<sup>®</sup>-GSP is also designed for effortless deployment, featuring strong magnets that allow quick and secure installation on various surfaces without the need for additional tools or equipment.

In addition to providing real-time location and tracking of containers and assets, when combined with the Cypod CyTag<sup>®</sup> environmental sensor, the environmental parameters of the assets can also be monitored.

The entire system is managed by the 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.


The CyTrack<sup>®</sup>-GSP goes beyond location monitoring, providing real-time alarms and notifications for preset parameters, such as entering or exiting predefined geofences, temperature, humidity, and door opening status. In summary, the IoT CyTrack<sup>®</sup>-GSP offers a compact and comprehensive solution, combining advanced technology with robust design for unparalleled cargo monitoring and management capabilities.

- Real-Time Location monitoring of Cargo and Assets
- Robust IP67-rated casing withstands dust and moisture
- Up to 6 months battery life
- Real-Time alarms and Notifications
- GSM/ 4G LTE-Cat 1/ Bluetooth (BLE) Connectivity
- GPS for Location Positioning



 Monitor Containers and Assets inside, worldwide



 Fleet Monitoring and Management, Tracking its location and status



 Monitor and Track Construction Equipment

### Use Cases

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

### Technical Specifications

Type	Specification
Dimensions	138mm × 72mm × 22mm
Weight	192 gm
Operational Temperature	-20°C ~ +70°C
Operational/Storage Humidity	Humidity 5-95% RH Non-Condensing
Battery	4000 mAh (Rechargeable LiPo battery)
Standby working hours	Report once daily for 3 years
(U)SIM	1 Nano Physical SIM card + eSIM
Cellular antenna	Internal
GNSS antenna	Internal
Communication	GSM/4G LTE Cat 1
Bluetooth	BLE 5.3
Data Transmission Rate	
LTE (Cat 1)	LTE FDD: Max 10 Mbps (DL)/ Max 5 Mbps (UL)
GSM	85.6 kbps (DL)/ 85.6 kbps (UL)
Transmit protocol	TCP, MQTT(S), HTTP(S)
Supported Frequencies	<ul style="list-style-type: none"> <li>• LTE-FDD: B1/3/5/7/8/20/28</li> <li>• GSM: B2/3/5/8</li> </ul>
Software upgrade	OTA

<b>Sensors</b>	
Mechanical Push Button	For Tampering/ Mounting Detection
Accelerometer	Acceleration range: ±2g/±4g/±8g/±16g
<b>GNSS Features</b>	
Supported Satellites	GPS/ GLONASS/ BDS/ Galileo/ QZSS
Horizontal Position Accuracy	<2.5m CEP
Reacquisition Time	<=1s
Sensitivity	Cold start: -130 dbm
<b>Security</b>	AES or RSA or through TLS <= 1.2
Housing Material	ABS
Casing	IP67 - Rated
Installation Way	Magnetic attached, screw mounted, Double-sided tape

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