



Seal. Track. Trace



# RadioSecure™ SLM-m

Intelligent Standalone Seal Lock Master uses active RFID technology, GSM, GPRS and GPS to **report real time location and status** to a hosted web-based supply chain visibility and security system. Equipped with **security-tampering sensor** and **enhanced with motor**, it offers added security to sealing, allowing only **authorized personnel to unseal**. Any violation of pre-set parameters will trigger an immediate Event Reporting. This level of insight and security facilitates immediate action to be taken to further ensure the **integrity of supply chain**.

## Key Features

- ⌘ Hassle-free Installation
- ⌘ Flexible cable with break load of 1000kgf to secure any types of cargo
- ⌘ Enhanced with motor to provide extra security to sealing
- ⌘ Remote monitoring of cargo
- ⌘ Rugged and Industry approved device
- ⌘ <10s Alert Delivery time
- ⌘ Tampering Alerts and Geofencing Alerts
- ⌘ User-configurable location update interval
- ⌘ Long battery lifespan
- ⌘ OTA Firmware Upgrade and Parameters

## Benefits



### Protect the integrity of Cargo

- Real time alerts and status update of the cargo allows recovery actions and minimize losses.



### Automate Processes

- Automated system provides data to eliminate human error and automate container inspections.



### Monitor Anytime, Anywhere

- Web-based system accessible via special credentials. Available on mobile application too.



### Reduce Claims and Risk

- Utilize system data analytic for preventive measures



### Improve Customer Service

- Deliver perishable goods safely and on-time, reducing cost and increasing efficiency.



### Reports and Data Analysis

- Automatic one page report generation of every trip.

## Application

Container | Rail Cargo | Reefer Container | Tarpaulin Truck | ECTS | Cross Country Tracking

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## Specification (2G/CatM1/NB-IoT version)

| Model Number                          | RS-SLM-324C  | RadioSecure™ Seal Lock Master-motor  |
|---------------------------------------|--|--|
| <b>Physical</b>                       | L x W x D<br>Standard Cable Length<br>Standard Bolt Length<br>Weight per set<br>Color  | 240mm x 120mm x 57mm<br>50cm<br>13cm<br>1215g<br>Blue, Black   |
| <b>Environmental</b>                  | Operating Temperature<br>Storage Temperature<br>Humidity<br>Weatherproofing  | -30°C to 70°C<br>-40°C to 80°C<br>95% non-condensing<br>IP67   |
| <b>Wireless</b>                       | Frequency<br>Active Transmission Power<br>RF Range   | ISM 2.4Hz QFSK modulation<br><18dBm (»100mW)<br>500m L.O.S.  |
| <b>GPRS</b>                           | Bands<br>Cat M1/Cat NB1<br><br>EGPRS<br>SIM<br>Failover  | LTE Cat M1/Cat NB1/EGPRS<br>LTE FDD: B1/B2/B3/B4/B5/B8/B12/B13/<br>B18/B19/B20/B26/B28<br>850/900/1800/1900MHz<br>Dual-SIM slots (Primary & Secondary)<br>GPRS failover to SMS   |
| <b>Satellite Constellation System</b> | GPS Sensitivity<br>Position Accuracy<br>Acquisition Time (Hot Start)<br>Maximum Velocity<br>Speed accuracy<br>GLONASS<br>Antenna | -162dBm to -165dBm<br>Autonomous 3m<br>1s<br><515m/s<br>0.1 m/s<br>Yes<br>Built-In active Antenna  |
| <b>Memory Capacity</b>                | Internal Flash Memory<br>External Flash Memory   | 512KB<br>16MB  |
| <b>Electrical</b>                     | Battery<br>Battery Capacity<br>Battery Type<br>Active Current Drain<br>Inactive Current Drain                                    | Rechargeable Built in<br>10,500mAH<br>Lithium Ion<br><300mA<br><3mA  |
| <b>Mechanical</b>                     | Motorized<br>Sealing/Unsealing   | 4 modes available: <ul style="list-style-type: none"> <li>• automatically engaging/releasing the seal locking when condition is satisfied</li> <li>• manually engaging/releasing the seal locking via software platform</li> <li>• engaging/releasing seal locking with handheld device</li> <li>• engaging/releasing seal locking with authorized NFC card</li> </ul> |

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## Specification (3G version)

| Model Number                          | RS-SLM-324C  | RadioSecure™ Seal Lock Master-motor  |
|---------------------------------------|--|--|
| <b>Physical</b>                       | L x W x D<br>Standard Cable Length<br>Standard Bolt Length<br>Weight per set<br>Color  | 240mm x 120mm x 57mm<br>50cm<br>13cm<br>1215g<br>Blue, Black   |
| <b>Environmental</b>                  | Operating Temperature<br>Storage Temperature<br>Humidity<br>Weatherproofing  | -30°C to 70°C<br>-40°C to 80°C<br>95% non-condensing<br>IP67   |
| <b>Wireless</b>                       | Frequency<br>Active Transmission Power<br>RF Range   | ISM 2.4Hz QFSK modulation<br><18dBm (»100mW)<br>500m L.O.S.  |
| <b>GPRS</b>                           | Bands<br>GSM Bands<br>3G Bands<br>SIM<br>Failover  | GSM/GPRS/EDGE Quad Band/3G<br>850/900/1800/1900 MHz<br>800/850/900/1900/2100MHz<br>Dual-SIM slots (Primary & Secondary)<br>GPRS failover to SMS  |
| <b>Satellite Constellation System</b> | GPS Sensitivity<br>Position Accuracy<br>Acquisition Time (Hot Start)<br>Maximum Velocity<br>Speed accuracy<br>GLONASS<br>Antenna | -162dBm to -165dBm<br>Autonomous 3m<br>1s<br><515m/s<br>0.1 m/s<br>Yes<br>Built-In active Antenna  |
| <b>Memory Capacity</b>                | Internal Flash Memory<br>External Flash Memory   | 512KB<br>16MB  |
| <b>Electrical</b>                     | Battery<br>Battery Capacity<br>Battery Type<br>Active Current Drain<br>Inactive Current Drain                                    | Rechargeable Built in<br>10,500mAh<br>Lithium Ion<br><300mA<br><3mA  |
| <b>Mechanical</b>                     | Motorized<br>Sealing/Unsealing   | 4 modes available: <ul style="list-style-type: none"> <li>• automatically engaging/releasing the seal locking when condition is satisfied</li> <li>• manually engaging/releasing the seal locking via software platform</li> <li>• engaging/releasing seal locking with handheld device</li> <li>• engaging/releasing seal locking with authorized NFC card</li> </ul> |

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