



AKUA 4G SLM

Global Supply Chain Security and Visibility



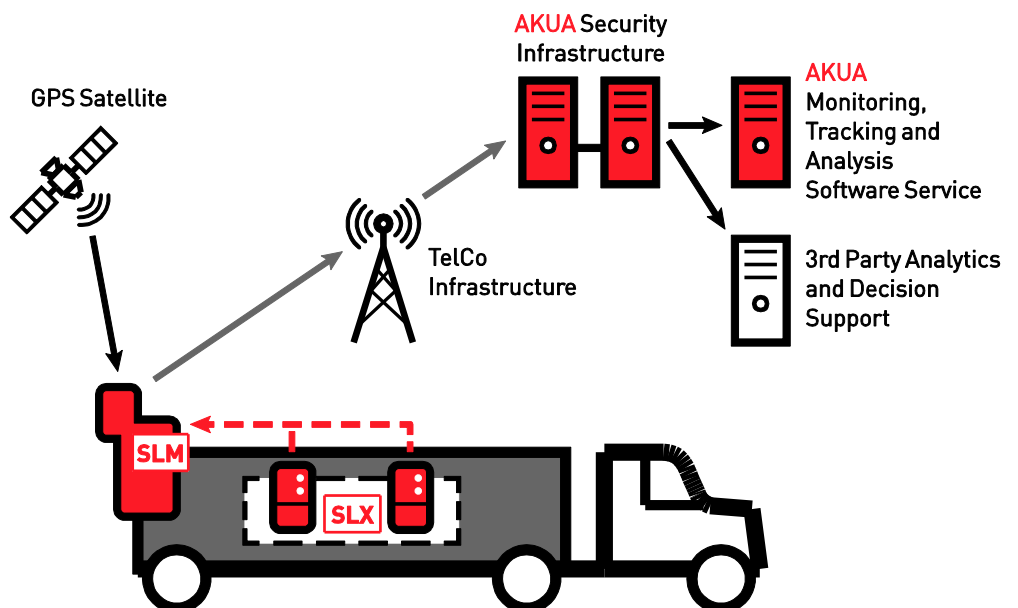
The next generation of supply chain cargo security, visibility, and data is here with the AKUA 4G SLM. The 4G SLM is an innovative, cost effective, and secure locking e-seal and monitoring device that uses GPS and 4G cellular networks to monitor and safeguard shipments. Combined with AKUA's AKUATrack SaaS web platforms, users can know the location and security of their cargo any place, any time.

The 4G SLM utilizes the 4G cellular data networks to provide regular information updates on the shipment's time-stamped GPS position and security status to the AKUATrack Platform Service for monitoring, tracking, and alerting or the user's proprietary application. Open, close, tamper, and breach events are reported immediately enabling the end user to respond to unauthorized accesses while shipments are in progress. Analysis of the position data can alert the user to route deviations and delivery delays. Paired with an environmental monitoring sensor device, the shipment's temperature and humidity data can also be tracked and alerts generated at user-defined thresholds enabling in-transit corrective actions. In addition, a record of all cargo sensor and location data throughout the journey is available on the AKUATrack Platform.

The 4G SLM locks onto any cargo by employing ISO17712-compliant aircraft-grade bolt and steel wire locking mechanism. The e-seal lock can be any length, so it can fit through a shipping container door latch or around an entire shipment pallet.

How the 4G SLM Works to Track & Secure Your Shipments

The AKUA 4G SLM device is attached to the container door latch on the exterior of the container or to any cargo. The SLM receives data from sensor devices. The location of the container is monitored via GPS. Cargo data from the SLM is transmitted through the 4G cellular data networks to the AKUA security infrastructure and then to the AKUATrack Platform Service for monitoring, tracking, and alerting or to the user's proprietary application.



Key Features

- Easy to configure, maintain, and use— no tools required
- Reusable wire locking mechanism
- FCC and CE certified
- FAC & EAC DoC Russian Certified
- IP67 rated
- Serves as a communication gateway device for temperature and humidity sensors
- Secure shipment status communications to the cargo owner
- Rugged construction for intermodal shipping environment
- Efficient, time saving operation
- Reliable security
- Simple operational design—minimum training required
- Flexible enough to secure any size cargo or door lock
- Red/green LED indicators
- Rechargeable and reusable
- Meets C-TPAT High Security Standard

The AKUA SLM is available in two configurations

Product	Description
SLM	Short duration model for use up to 60 days
SLM-x	Long duration model for use up to 100 days

AKUA SLM Specifications

Model Numbers	RS-SLM-324C	Radio Frequency Cable Security Seal
Physical	L x W x D	240mm x 120mm x 57mm
	Weight per set	1215g
	Color	Blue, Black
Environmental	Operating Temperature	-30C to 70C
	Storage Temperature	-40C to 80C
	Humidity	95% noncondensing
	Vibrations and Shock	MIL-STD-810-G
	Weatherproofing	IP67
Wireless	Frequency	ISM 2.4GHz QFSK modulation
	Active Transmission Power	<18dBm (~100mW)
	Range	200m L.O.S
	Protocol	Proprietary
GPRS	Bands	LTE Cat M1/Cat NB1 & 2G Fallback
	Cat M1/Cat NB1 (NB-IoT)	LTE FDD: LTE FDD: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B26/B28
	EGPRS	850/900/1800/1900MHz
	SIM	Dual-SIMs maximizing global coverage
GPS	GPS Sensitivity	-162dBm to -165dBm
	Position Accuracy	Autonomous 3m
	Acquisition Time (Hot Start)	1s
	Maximum Velocity	,515 m/s
	Speed Accuracy	.1 m/s
	Antenna	Built-in active antenna
Electrical	Battery	Rechargeable, 10,500 mAh Lithium Ion
Mechanical	Break Load	>1000kgf (cable) >1500kgf (bolt)



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