



AKUA SLM



Securing the Internet-of-Your-Things

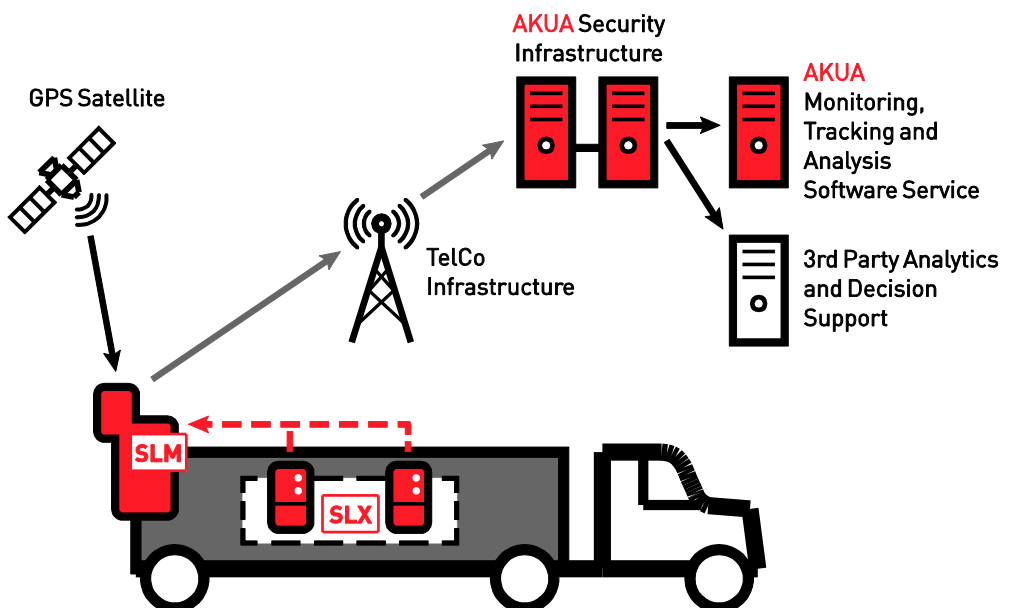
The next generation of tamper-proof cargo shipment is here in the AKUA SLM. The SLM is an innovative, cost effective, secure locking and monitoring device that uses GPS and 3G/2G cellular network to monitor and safeguard shipments. It provides remote users with long-distance data on a shipment's whereabouts and condition during transit as well as information on conveyance accesses and the integrity of the shipment itself.

The SLM utilizes the 3G/2G cellular data network to provide regular information updates on the shipment's time-stamped GPS position and lock/breach status to the AKUATrack Platform Service for monitoring, tracking, and alerting or the user's proprietary application. Open, close and tamper events are reported immediately enabling the end user to respond to unauthorized accesses while in progress. Analysis of the position data can alert the user to route deviations and delivery delays. Paired with an environment 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 SLM employs ISO17712-compliant (secure seal specifications) accessory aircraft-grade bolt and steel wire locking mechanisms that allow you to reuse the device any number of times. The accessory steel wire mechanism can be any length, so it can fit through a locking mechanism on the shipping container doors or around an entire shipment pallet. The accessory bolt is available in a re-usable or disposable format.

How the SLM Works to Secure Your Shipments

The AKUA SLM device is attached to the container door latch on the exterior of the container. 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 3G/2G cellular data network to the AKUA security infrastructure and then to the AKUATrack Platform Service for monitoring, tracking, and alerting or the user's proprietary application.



Key Features

- Easy to use
- Re-useable wire locking mechanism
- FCC and CE certified
- FAC & EAC DoC Russian Certified
- IP67 rated
- Serves as a pairing device in conjunction with a temperature and/or humidity sensor
- Secure communications to the shipper
- Easy to configure, maintain, and use
- Efficient—time saving operation
- Reliable security
- Communicates shipment status immediately to the end user
- Simple operational design—minimum training required
- Flexible enough to secure any size cargo or door lock
- Red/green LED indicators

The AKUA SLM is available in two configurations

Product	Description
SLM	The base, rechargeable version of the device (Blue)
SLM-x	The larger SLM with an extended battery for longer life (Black)

AKUA SLM Specifications

Model Numbers	RS-SLM-324C	Radio Frequency Cable Security Seal
Physical	L x W x D	220mm x 110mm x 55mm / 270mm x 170mm x 50mm
	Weight per set	1230g / 1303g
Environmental	Temperature	-30C to 70C
	Humidity	95% noncondensing
	Vibrations and Shock	MIL-STD-810-G
	Weatherproofing	IP67
Wireless	Frequency	ISM 2.4GHz QFSK modulation
	Active Transmission Power	<18dBm (~100mW)
	Protocol	Proprietary
GSM/GPRS	SIM	Dual-SIM slots
GPS	Channel	66 channel SIRF4 GPS Optional Extended Ephemeris A-GPS
	Antenna	3D Accelerometer Built in GPS Patch Antenna
Battery	Amp Hours	Rechargeable, 3.7V, 10.4AH / 20.8AH Lithium Ion
	Duration	50 Days / 90 Days
Mechanical	Break Load	>1000kgf (cable)
		>1500kgf (bolt)



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Learn more at akua.us.