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RadioSecure™ SLM-x



RadioSecure™ SLM-x is the industry reference in the world of logistics as well as supply chain integrity. It uses cutting edge technology for tracking intermodal containers and conveyances using active RFID, GPRS, GPS and Satellite Communication technologies.

The RadioSecure™ SLM-x provides security-tampering sensor more than a simplistic inspection system. RadioSecure™ SLM-x enables shippers, carriers and logistics service providers to actively monitor the security and integrity of shipments as their containers move throughout the global supply chain.

It is one of the base member of the RadioSecure™ range of revolutionary products with wireless connectivity to the RadioSecure™ Site Manager, Xtivator, SLA, SLE, SLL or SLS.

It periodically reports security and environmental status via GSM infrastructure to a hosted web base supply chain security and location visibility system.

In the event of unauthorized unsealing or violation of any pre-set parameters, RadioSecure™ SLM-x will switch to Event Reporting to report the event without any delay.

ENVOTECH NETWORK SDN BHD (657306-W)

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Specification

Model Number	RS-SLM-324C RS-SLM-324B	Radio Frequency Cable Security Seal Radio Frequency Bolt Security Seal
Physical	L x W x D Standard Cable Length Standard Bolt Length Color	270mm x 170mm x 50mm 50cm 13cm Black
Environmental	Temperature Humidity Vibration & Shock Weatherproofing	-30°C to 70°C 95% non-condensing MIL-STD-810-F IP67
Wireless	Frequency Active Transmission Power Range Protocol Air Data Rate	ISM 2.4Hz QFSK modulation <18dBm (≈100mW) 200m L.O.S. Proprietary 250kbps
GSM/GPRS	Bands SIM Failover	GSM/GPRS/EDGE Quad Band Dual-SIM slots (Primary & Secondary) GPRS failover to SMS
Satellite Constellation System	GPS Channel A-GPS GLONASS Antenna	66 Yes Yes Built-In active Antenna
Memory Capacity	Internal Flash Memory External Flash Memory	256KB / 512KB 16MB
Electrical	Battery Active Current Drain Inactive Current Drain	Rechargeable 3.7V, 20.8AH Lithium Ion <240mA <3mA
RF Data	Packet Data	32 bytes per FIFO
Mechanical	Break Load	>1000kgf (cable) >1500kgf (bolt)
Accessories	Bolt header cable 12" Disposable H-bolt 136mm Reusable S/S H-bolt 116mm Magnet K-Flex 1.5 Starseal 150	Custom cable length upon request High Security seal configuration To be use with K-flex cable seal or pull tight plastic seal Optional magnet mount 1.5mm cable seal, 300 pc per carton Pull tight plastic seal, 1000 per carton

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Functionality of Firmware



Ability of monitoring up to 25 SLA. SLA to be monitored can be dynamically paired by OTA command.



Battery life span of 7 days for 1 minute reporting interval



Capable of detecting GSM Jammer



Possibility of retrieving all data from the journey locally (e.g. registered handheld device)



Event - to Server time of maximum 5 seconds



capable of instant SMS alert from the RS SLM directly



Option of Server intervention to power down device



Choice of reporting via UDP or TCP feature



Ability to report to 2 separate server



Reports Cell ID when GPS is invalid



Every communication with SLM including SMS command or handheld reader is recorded



Capable of reporting via time interval or distance interval

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