



SMART LOCK
KT191-SL

CREATIVE INNOVATION FOR TRACKING INTERMODAL CONTAINERS
AND CONVEYANCES









OVERVIEW:

Smart Lock KT191-SL is a creative innovation for tracking intermodal containers and conveyances using active RFID, GPRS, GPS, 4G,3G.

More than just a simplistic inspection system, Smart Lock KT191-SL provides security-tampering sensor. Smart Lock KT191-SL 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.

Smart Lock KT191-SL periodically reports security and environmental status via GSM infrastructure to a hosted web-base supply chain security and location visibility system.

KEY FEATURES:

- Reusable cable locking mechanism.
- Strong magnetic applications make it easy to attach to steel containers and avoid vibration.
- GPS and GSM chips are embedded for location and communication capabilities.
- Powered by rechargeable lithium batteries which are capable of lasting up to 21 days.
- Material: Engineer plastic (anti-collision).
- Supports 9 alarms: steel string cut, swipe RFID tag, vibration, destroy, wrong password, low battery with anti-false alarm algorithm.
- Device can be reused many times, can be unlocked by magnetic card on-site or unlocked remotely at center over the network.

SMART LOCK KT191-SL



MAIN SPECIFICATIONS

Active Current Drain Inactive Current Drain Inactive Current Drain Indicator Indicator Cable Break Load Type O1 Port RS232, 01 Micro USB Environmental DC 5V/2A charging 240mA 0.3mA Battery capacity with up to 10 days with tracking mode per 30 seconds or up to 21 days with tracking mode per 60 seconds 4 LED status (GPS location status, Network communication, Low power battery, Battery Charging) Buzzer and indicator light Cable Operating Temperature Storage Temperature Humidity 5% to 95%	Model number	Smart Lock KTI91-SL	GPS Tracking
Weight Color Material 1100g (Including standard accessories) Black Engineering Plastic GSM/GPRS Bands TDD-LTE By83/B40/B41 FDD-LTE By83/B5/B7/B8/B20 WCDM/HSDPA/HSDA+ By1/B5/B8 GSM/GPRS/EDGE 850/900/1800/1900 MHz Dual - SIM Slots (Support two Micro - SIM Cards, dual card single standby mode work) GPS Channel S6 Optional Extended Ephemeris A-CPS Built-in GNSS/Cellular module antenna Tracking Sensitivity Location accuracy Velocity accuracy Velocity accuracy Velocity accuracy Velocity accuracy Velocity accuracy Accelerometer Acceleration sensor Type Accuracy Acceleration Sensor Type Accuracy Lithium battery 15000mAH (Rechargeable, bulit-in DC 5V/2A charging 240mA 0,3mA Battery capacity with up to 10 days with tracking mode per 30 seconds or up to 21 days with tracking mode per 60 seconds A LED status (GPS location status, Network communication, Low power battery, Battery Charging) Buzzer and indicator light Cable Break Load 150kg COMM port Type 01 Port RS232, 01 Micro USB Environmental Operating Temperature Storage Temperature Humidity 5% to 95%	Physical	LxWxD	195mm x 114 mm x 37 mm
Color Material Color McDan/HSDPA/HSPA+ BYBS/B8 CosM/CPRS/EDCE BS/0900/1800/1900/900 MHz Dual - SIM slots (Support two Micro - SIM cards, dual card single standby mode work) Color Material Color Material Color McDan/HSPA+ BYBS/B8 Com/May/HSDPA/HSPA+ BYBS/B8 Com/May/HSDPA/HSPA+ BYBS/B8 Com/May/HSDPA/HSPA+ BYBS/B8 Color McDan/HSPA/B8/B20 MCDM/HSDPA/HSPA+ BYBS/B8 Color McDan/HSPA/B8/B20 MCDM/HSDPA/HSPA+ BYBS/B8 Color Color Material Color Motion and vibration detection Motion and		Standard Cable Length	350mm
Material Engineering Plastic		Weight	1100g (Including standard accessories)
GSM/GPRS Bands TDD-LTE B3/B40/B41 FDD-LTE B1/B3/B5/B8/B20 WCDMA/H5DPA/H5PA+ B1/B5/B8 GSM/CPRS/EDGE 850/900/1800/1900 MHz Dual - SIM slots (Support two Micro - SIM cards, dual card single standby mode work) CPS Channel Antenna Tracking Sensitivity Location accuracy Velocity accuracy Velocity accuracy Type Accuracy Accelerometer Acceleration sensor Type Accuracy Active Current Drain Inactive Current Drain Indicator Indicator Active Current Drain Battery Cable Break Load Type O1 Port RS232, 01 Micro USB Environmental Operating Temperature Storage Temperature Humidity PDD-LTE B3/B40/B41 FDD-LTE B3/B40/B41 FDD-LTE B3/B40/B41 FDD-LTE B3/B840/B41 FDD-LTE B3/B8400/B41 FDD-LTE B3/B8400/B41 FDD-LTE B3/B8400/B41 FDD-LTE B3/B8400/B41 FDD-LTE B3/B8400/B41 FDD-LTE B3/B8400/B41 FDD-LTE B3/B8400/B85/B8 B20 WCDMA/H5DPA/H5PA4 B1/B5/B8 GM/CPS/EDGE 850/900/B800/B93/B8 Built-in GNSS/Cellular module antenna -160dBM 2.5 meter (CEP) 0.1 m/s Lithium battery 15000mAH (Rechargeable, bulit-in DC SV/2A charging 240mA 0.3mA Battery capacity with up to 10 days with tracking mode per 30 seconds or up to 21 days with tracking mode per 60 seconds 4 LED status (CPS location status, Network communication, Low power battery, Battery Charging) Buzzer and indicator light Cable Break Load 150kg COMM port Type O1 Port RS232, 01 Micro USB		Color	Black
FDD-LTE Bl/B3/Bs/B20 WCDMA/HSDPA/HSPA+ Bl/Bs/B8 GSM/GPRS/EDGE 850/900/1800/1900 MHz Dual - SIM slots (Support two Micro - SIM cards, dual card single standby mode work) CPS Channel Antenna Tracking Sensitivity Location accuracy Velocity accuracy Velocity accuracy Velocity accuracy Type Accuracy Accelerometer Acceleration sensor Type Accuracy Lithium battery 15000mAH (Rechargeable, bulit-in DC 5V/2A charging Active Current Drain Inactive Current Drain Indicator Indicator Lithium battery 15000mAH (Rechargeable, bulit-in DC 5V/2A charging Active Tracking mode per 30 seconds or up to 21 days with tracking mode per 60 seconds 4 LED status (GPS location status, Network communication, Low power battery, Battery Charging) Buzzer and indicator light Cable Break Load Type Ol Port RS232, Ol Micro USB Environmental Operating Temperature Storage Temperature Humidity 5% to 95%		Material	Engineering Plastic
Channel Antenna Tracking Sensitivity Location accuracy Velocity accuracy Check accuracy Check accuracy Accelerometer Acceleration sensor Type Accuracy Accuracy Accuracy Active Current Drain Inactive Current Drain Indicator Indicator Active Sensitivity Location sensor Type Active Current Drain Check activ	GSM/GPRS	Bands	FDD-LTE B1/B3/B5/B7/B8/B20 WCDMA/HSDPA/HSPA+ B1/B5/B8
Antenna Tracking Sensitivity Location accuracy Velocity accuracy Velocity accuracy Accelerometer Acceleration sensor Type Accuracy Battery Active Current Drain Inactive Current Drain Indicator Indicator Active Sensitivity Active Current Drain Indicator Indicator Battery Active Current Drain Indicator Indicator Active Current Drain Indicator Active Current Indicator Acceleration Acceleration Indicator		SIM	
Tracking Sensitivity Location accuracy Velocity accuracy Accelerometer Acceleration sensor Type Accuracy Battery Active Current Drain Inactive Current Drain Indicator Indicator At LED status (GPS location status, Network communication, Low power battery, Battery Charging) Buzzer and indicator light Cable Break Load Type Break Load Type Operating Temperature Storage Temperature Humidity 1-160dBM 2,5 meter (CEP) 0.1 m/s Motion and vibration detection 3-Axis, 20 mg accuracy, up to 8g +- 2,5 % Lithium battery 15000mAH (Rechargeable, bulit-in DC 5V/2A charging 240mA 0.3mA Battery capacity with up to 10 days with tracking mode per 30 seconds or up to 21 days with tracking mode per 60 seconds 4 LED status (GPS location status, Network communication, Low power battery, Battery Charging) Buzzer and indicator light Cable Operating Temperature Storage Temperature Humidity 5% to 95%	GPS	Channel	
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Accelerometer Acceleration sensor Type Accuracy Battery Active Current Drain Inactive Current Drain Indicator Indicator Break Load COMM port Type Acceleration sensor Type Accuracy Battery Lithium battery 15000mAH (Rechargeable, bulit-in DC 5V/2A charging 240mA 0.3mA Battery capacity with up to 10 days with tracking mode per 30 seconds or up to 21 days with tracking mode per 30 seconds or up to 21 days with tracking mode per 60 seconds 4 LED status (GPS location status, Network communication, Low power battery, Battery Charging) Buzzer and indicator light Cable Break Load 150kg COMM port Type O1 Port RS232, 01 Micro USB Environmental Operating Temperature Storage Temperature Humidity 5% to 95%		Tracking Sensitivity	-160dBM
Accelerometer Acceleration sensor Type Accuracy Battery Active Current Drain Inactive Current Drain Indicator Indicator Break Load COMM port Cable Break Load Acceleration sensor Type Accuracy Battery Lithium battery 15000mAH (Rechargeable, bulit-in DC 5V/2A charging 240mA 0.3mA Battery capacity with up to 10 days with tracking mode per 30 seconds or up to 21 days with tracking mode per 60 seconds 4 LED status (GPS location status, Network communication, Low power battery, Battery Charging) Buzzer and indicator light Cable Break Load 150kg COMM port Type O1 Port RS232, 01 Micro USB Environmental Operating Temperature Storage Temperature Humidity Sw to 95%		Location accuracy	2,5 meter (CEP)
Type Accuracy Battery Active Current Drain Inactive Current Drain Indicator Indicator Cable Break Load COMM port Type Accuracy Lithium battery 15000mAH (Rechargeable, bulit-in DC 5V/2A charging 240mA 0.3mA Battery capacity with up to 10 days with tracking mode per 30 seconds or up to 21 days with tracking mode per 60 seconds 4 LED status (GPS location status, Network communication, Low power battery, Battery Charging) Buzzer and indicator light Cable Break Load 150kg COMM port Type 01 Port RS232, 01 Micro USB Environmental Operating Temperature Storage Temperature Humidity 5% to 95%		Velocity accuracy	0.1 m/s
Electrical Battery Active Current Drain Inactive Current Drain Indicator Indicator Break Load Electrical Battery Lithium battery 15000mAH (Rechargeable, bulit-in DC 5V/2A charging 240mA 0.3mA Battery capacity with up to 10 days with tracking mode per 30 seconds or up to 21 days with tracking mode per 60 seconds 4 LED status (GPS location status, Network communication, Low power battery, Battery Charging) Buzzer and indicator light Cable Break Load 150kg COMM port Type 01 Port RS232, 01 Micro USB Environmental Operating Temperature Storage Temperature Humidity 5% to 95%	Accelerometer	Acceleration sensor	Motion and vibration detection
Electrical Battery Active Current Drain Inactive Current Drain Indicator Indicator Break Load COMM port Type Comparison Type Environmental Battery Lithium battery 15000mAH (Rechargeable, bulit-in DC 5V/2A charging 240mA 0.3mA Battery capacity with up to 10 days with tracking mode per 30 seconds or up to 21 days with tracking mode per 60 seconds 4 LED status (GPS location status, Network communication, Low power battery, Battery Charging) Buzzer and indicator light Cable Type Ol Port RS232, 01 Micro USB Environmental Operating Temperature Storage Temperature Humidity 5% to 95%		Type	3-Axis, 20 mg accuracy, up to 8g
Active Current Drain Inactive Current Drain Inactive Current Drain Indicator Indicator Cable Break Load Type O1 Port RS232, 01 Micro USB Environmental DC 5V/2A charging 240mA 0.3mA Battery capacity with up to 10 days with tracking mode per 30 seconds or up to 21 days with tracking mode per 60 seconds 4 LED status (GPS location status, Network communication, Low power battery, Battery Charging) Buzzer and indicator light Cable Operating Temperature Storage Temperature Humidity 5% to 95%		Accuracy	+- 2,5 %
Active Current Drain Inactive Current Drain Inactive Current Drain Indicator Indicator	Electrical	Battery	Lithium battery 15000mAH (Rechargeable, bulit-in)
Inactive Current Drain Inactive Current Drain Battery capacity with up to 10 days with tracking mode per 30 seconds or up to 21 days with tracking mode per 60 seconds 4 LED status (GPS location status, Network communication, Low power battery, Battery Charging) Buzzer and indicator light Cable Break Load 150kg COMM port Type 01 Port RS232, 01 Micro USB Environmental Operating Temperature Storage Temperature Humidity 5% to 95%		Active Current Drain	
Battery capacity with up to 10 days with tracking mode per 30 seconds or up to 21 days with tracking mode per 60 seconds 4 LED status (GPS location status, Network communication, Low power battery, Battery Charging) Buzzer and indicator light Cable Break Load 150kg COMM port Type 01 Port RS232, 01 Micro USB Environmental Operating Temperature Storage Temperature Humidity 5% to 95%			
Cable Break Load Type Ol Port RS232, 01 Micro USB Environmental Operating Temperature Storage Temperature Humidity CPS location status, Network communication, Low power battery, Battery Charging) Buzzer and indicator light 150kg Ol Port RS232, 01 Micro USB -20°C to +60°C -40°C to +80°C -5% to 95%		mactive Current Drain	Battery capacity with up to 10 days with tracking mode per 30 seconds or up to 21 days
COMM port Type 01 Port RS232, 01 Micro USB Environmental Operating Temperature Storage Temperature Humidity -20°C to +60°C -40°C to +80°C -5% to 95%		Indicator	Network communication, Low power battery,
Environmental Operating Temperature Storage Temperature Humidity -20°C to +60°C -40°C to +80°C 5% to 95%	Cable	Break Load	150kg
Storage Temperature -40°C to +80°C Humidity 5% to 95%	COMM port	Type	01 Port RS232, 01 Micro USB
Humidity 5% to 95%	Environmental	Operating Temperature	-20°C to +60°C
		Storage Temperature	-40°C to +80°C
Weatherproofing IP68		Humidity	5% to 95%
Wednerproofing in 00		Weatherproofing	IP68

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