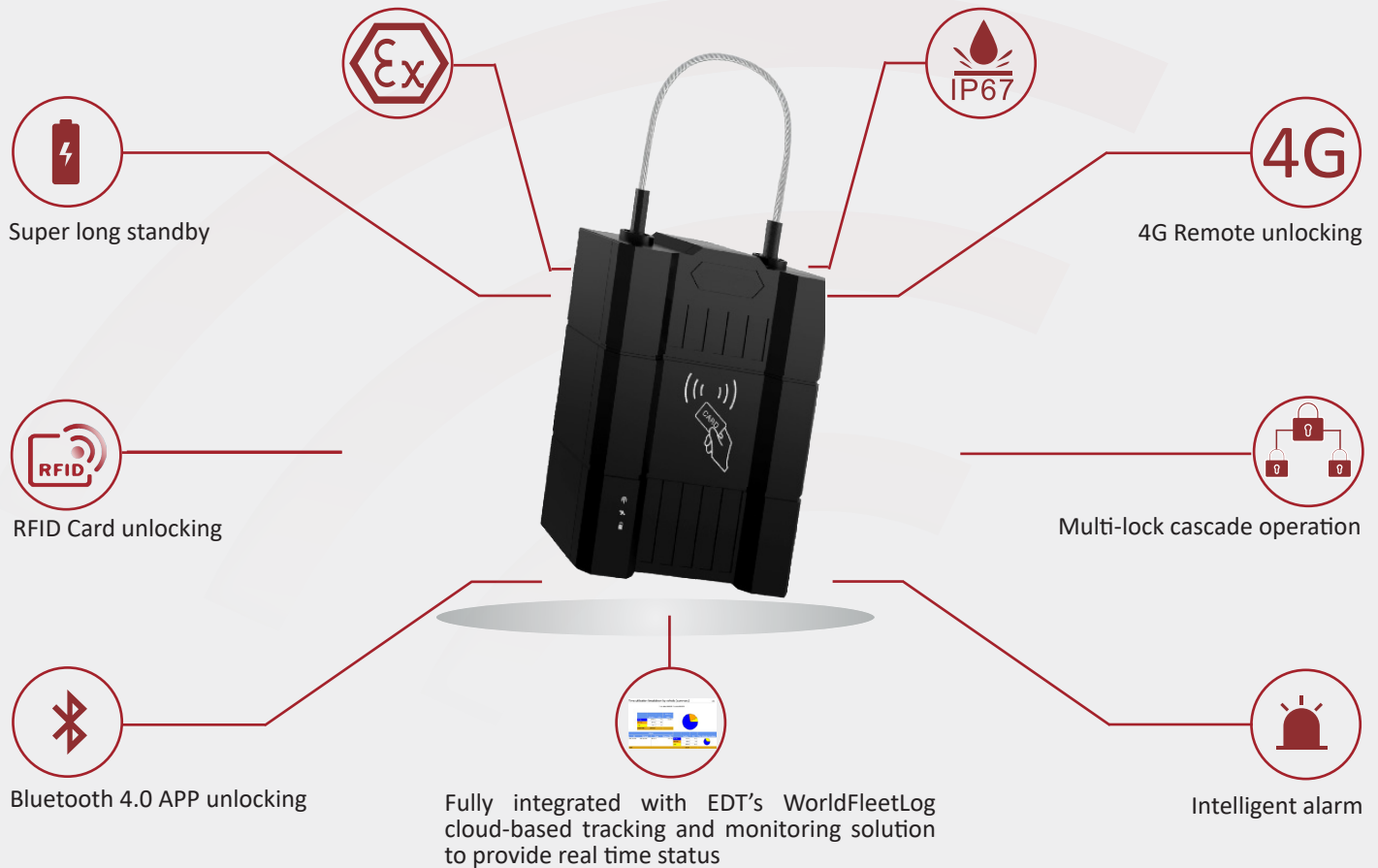


SmartLock 4G



4G Explosion Proof Electronic Lock

SmartLock 4G is an intelligent tracking and positioning lock to ensure the safety of logistics and freight assets. It features RFID/remote unlocking; large capacity battery; built-in GPS Module, illegal unlock alarm etc. Bluetooth can be used to receive the temperature and humidity sensor signals of the freight compartment.



SmartLock 4G Main Features

- » 2G/3G/4G network
- » Provides GNSS positioning
- » Built-in Bluetooth connect to wireless sensors
- » Main battery rated at 15,000 mAh
- » Includes backup battery for emergency unlock
- » RFID/BLE/SMS/GPRS Unlock commands supported



SmartLock 4G

Technical Specifications

Communications

- 2G: GSM 900 (8); GSM 1800 (3)
- 3G UMTS 2100 (1); UMTS 900 (8)
- 4G LTE 800(20); 1800(3); 2300 (40); 2500 (41); 2600 (38)
- Data support: TCP/FTP/SMS

GNSS

- GNSS: GPS; Beidou
- Receiver: 64 channel
- Tracking sensitivity: -163dBm
- Horizontal accuracy: <10 m
- Acquisition: Cold starts: <35 s, Warm start:<30 s, Hot start: <1 s;

Unlocking mode

- RFID Sensing distance: 2.5 cm
- Bluetooth: Bluetooth 4.0 BLE, Communication distance 20m
- GPRS: No distance limit
- SMS: No distance limit

Certifications and Approvals

- CE
- RoHS
- ATEX

Power

- Main battery: 15000 mAh Li-Ion battery 3.7 V (55.5 Wh)
- Charging voltage: 5V DC@2A
- Charging time: 8 hours
- Standby time - data broadcast every 10 minutes: 20 days
- Standby time - data broadcast every 60 minutes: 3 months

Physical Specification

- Dimensions: 185 x 155 x 53 (L x W x H)
- Chain length: 300 mm
- Weight: 1300 g
- Shell material: Flame retardant PC
- Lock rod seal resistance: 1000 kg

Operating Environment

- Operating temperature range: -30°C to +70°C
- Storage temperature: -40°C to +85°C
- Battery charge temperature: 0°C to +45°C
- Operating humidity: 5% to 95% non-condensing
- Ingress protection: IP 67

SmartLock 4G Applications



Tanker Transport



Container Transport



Logistics Vehicle &
Cargo Management



Valuables Tracking



Law Enforcement
Monitoring

Automotive Telematics, Fleet Management and Fuel Management Systems