Catalogue

Shenzhen HHD Technology Co. Ltd

About us

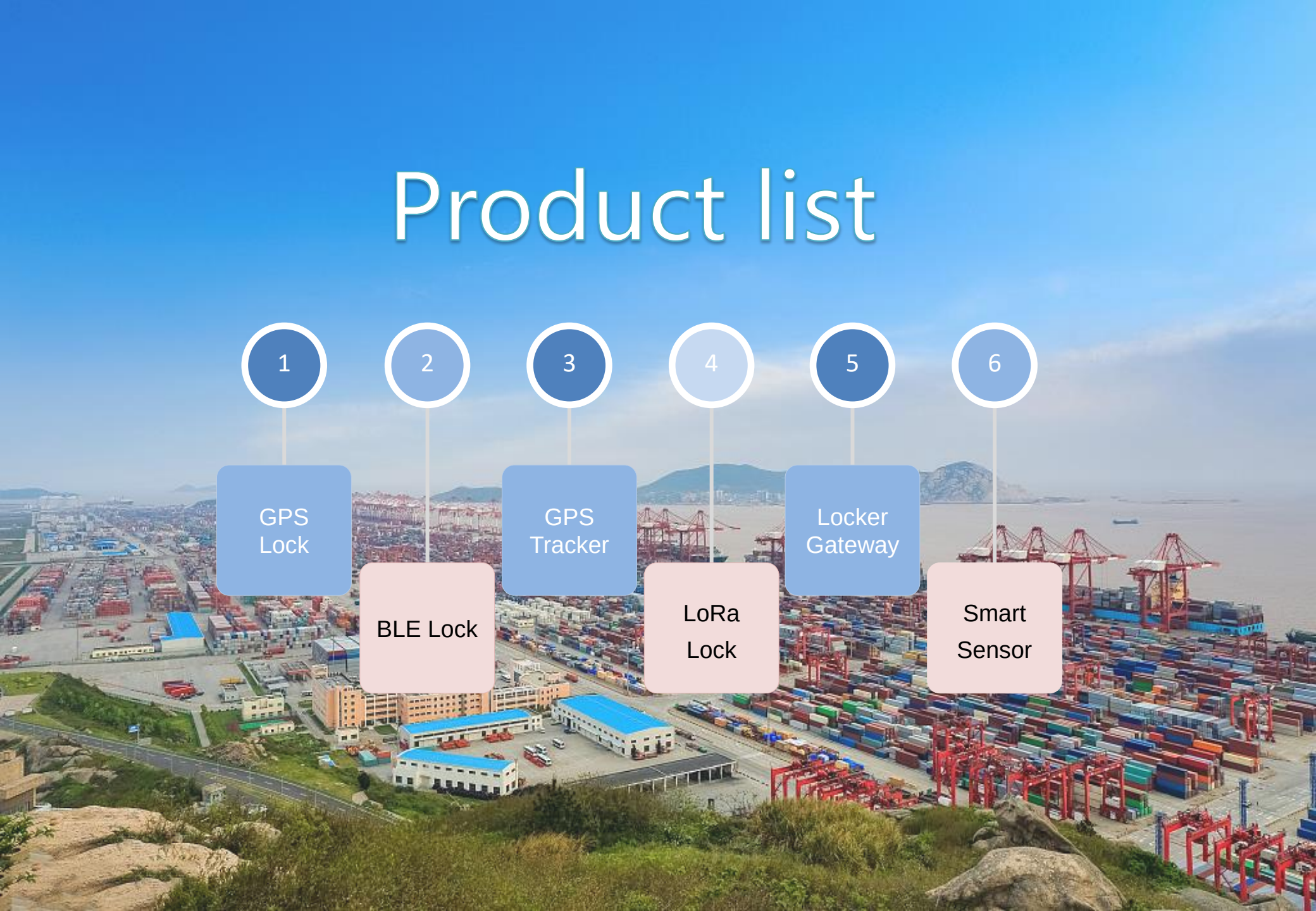
Shenzhen HHD Technology Co., Ltd was established in 2009, the company is focused on providing advanced IoT hardware, Supply Chain Management and Asset Secure Solutions.

The company's main products cover GPS Lock, GPS Tracker, Bluetooth Lock, LoRa Lock, Locker Gateway and Smart Sensor etc.

The Smart Hardware communicate through full Cellular, LoRa Bluetooth, RFID and GPS technology with a feature-rich user-friendly web- platform, sending you accurate tracking information, lock status and real time warning alerts according to your predefined events.

Now our solution be widely used in many industries such as petrochemical, customs supervision, logistics and distribution, power management and control, financial security, container, coal transportation etc. and achieved positive efficiency.

Product list



GPS Lock

GPS Lock

Model	G-300N
Size	99(L)x75(W)x41(H)mm
Communication	GSM 850/900/1800/1900MHZ 4G LTE-FDD,LTE-TDD,WCDMA (Optional) RFID Chipset :13.56MHZ Bluetooth 5.0 LoRa 915MHZ(Optional)
Positioning	GPS/BDS + LBS Accuracy10 meters (high-precision positioning can be selected)
Battery	10000mAh
Battery life	Above 12 days（report frequency 3 minutes per time）
Unlock methods	Web-platform , SMS, Bluetooth, IC Card
Water-proof	IP67
Shackle	U Shackle Padlock
Material	Aluminum alloy body, 304 stainless steel shackle

Model	G-300P
Size	99(L)x75(W)x41(H)mm
Communication	GSM 850/900/1800/1900MHZ 4G LTE-FDD,LTE-TDD,WCDMA (Optional) RFID Chipset :13.56MHZ Bluetooth 5.0 LoRa 915MHZ(Optional)
Positioning	GPS/BDS + LBS Accuracy10 meters (high-precision positioning can be selected)
Battery	10000mAh
Battery life	Above 12 days（report frequency 3 minutes per time）
Unlock methods	Web-platform , SMS, Bluetooth, IC Card, Password authorization
Water-proof	IP67
Shackle	U Shackle Padlock
Material	Aluminum alloy body, 304 stainless steel shackle

GPS Lock

Model	G-320N
Size	93(L)x123(W)x49(H)mm
Communication	GSM 850/900/1800/1900MHZ 4G LTE-FDD,LTE-TDD,WCDMA (Optional) RFID Chipset :13.56MHZ Bluetooth 5.0
Positioning	GPS/BDS + LBS Accuracy10 meters (high-precision positioning can be selected)
Battery	6400mAh
Battery life	Above 7 days（report frequency 3 minutes per time）
Unlock methods	Web-platform , SMS, Bluetooth, IC Card
Water-proof	IP67
Shackle	Wire rope (Diameter 8 mm)
Material	Aluminum alloy body, 304 stainless steel wire rope

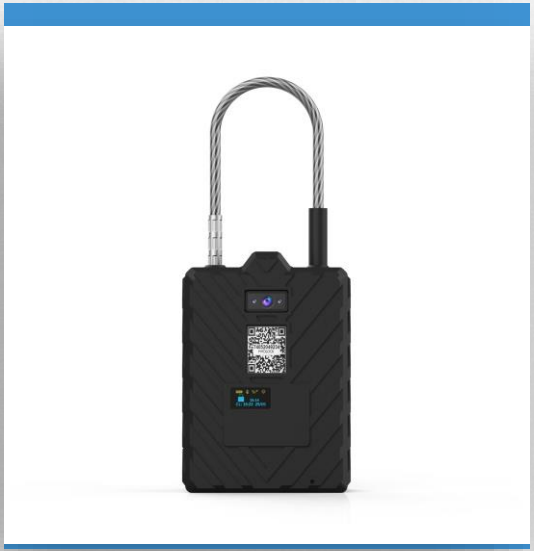
Model	G-420N
Size	99(L)x75(W)x41(H)mm
Communication	GSM 850/900/1800/1900MHZ 4G LTE-FDD,LTE-TDD,WCDMA (Optional) RFID Chipset :13.56MHZ Bluetooth 5.0 LoRa 915MHZ(Optional)
Positioning	GPS/BDS + LBS Accuracy10 meters (high-precision positioning can be selected)
Battery	12800mAh
Battery life	Above 15 days（report frequency 3 minutes per time）
Unlock methods	Web-platform , SMS, Bluetooth, IC Card
Water-proof	IP67
Shackle	U Shackle Padlock
Material	Aluminum alloy body, 304 stainless steel shackle

GPS Lock

Model	G-360N
Size	128(L)x100(W)x50(H)mm
Communication	GSM 850/900/1800/1900MHZ 4G LTE-FDD,LTE-TDD,WCDMA (Optional) RFID Chipset :13.56MHZ Bluetooth 5.0
Positioning	GPS/BDS + LBS Accuracy10 meters (high-precision positioning can be selected)
Battery	6400mAh
Battery life	Above 12 days（report frequency 3 minutes per time）
Unlock methods	Web-platform , SMS, Bluetooth, IC Card
Water-proof	IP67
Shackle	Wire rope (Diameter 7 mm)
Material	Aluminum alloy body, 304 stainless steel wire rope

Model	G-508N
Size	153(L)x107(W)x49(H)mm
Communication	GSM 850/900/1800/1900MHZ 4G LTE-FDD,LTE-TDD,WCDMA（可选） RFID Chipset :13.56MHZ Bluetooth 5.0
Positioning	GPS/BDS + LBS Accuracy10 meters (high-precision positioning can be selected)
Battery	15000mAh
Battery life	> 15 days（report frequency 3 minutes per time）
Unlock methods	Web-platform , SMS, Bluetooth, IC Card
Water-proof	IP67
Shackle	Wire rope (Diameter 8 mm)
Material	Aluminum alloy body, 304 stainless steel wire rope

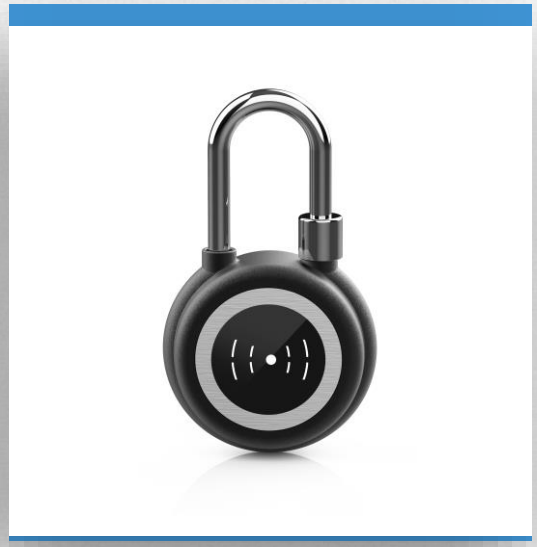
GPS Lock



Model	G-508V
Size	153(L)x107(W)x49(H)mm
Communication	4G LTE-FDD,LTE-TDD,WCDMA (Optional) RFID Chipset :13.56MHZ Bluetooth 4.0
Positioning	GPS/BDS Accuracy10 meters
Battery	15000mAh （5-90 Days）
System	Android 8
CPU	4 cores ARM Cortex-A53 1.5GHz
Storage	RAM: 8GbLPDDR3 RAM;32bit, Storage:8GB eMMC Flash（MLC Schema）; Support: SD3.0 Micro-SD card（64GB/128GB）
Camera	Doube cameras with 200 Pixel （one way for shackle states, the other way for surrounding environment ）
Video	Support record, take photos and real-time monitoring
LoRa	915MH (Optional)
WIFI	802.11 a/b/g/n
Unlock methods	Web-platform , SMS, Bluetooth, IC Card
Shackle	Wire rope padlock (Diameter 8 mm)
Water-proof	IP67
Material	Aluminum alloy body, 304 stainless steel wire rope

Bluetooth Lock

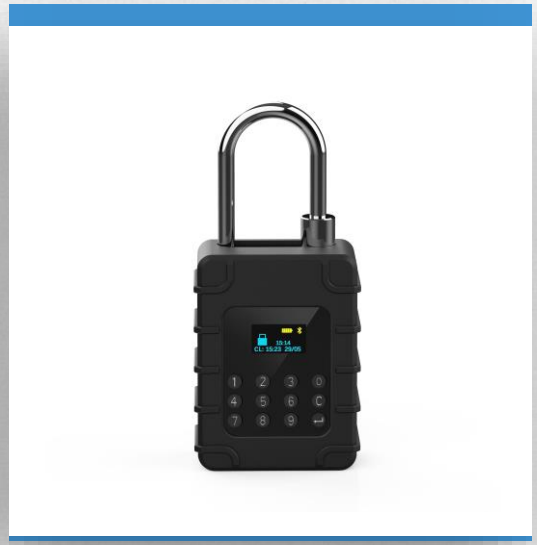
Bluetooth Lock



Model	B-80
Size	68(L)x3(W)x117.5(H)mm
Communication	RFID 13.56MHZ Bluetooth 5.0
Water-proof	IP67
Battery	480mAh (Rechargeable)
Battery life	More than 180 days
Material	Aluminum alloy 304 stainless u shackle (7MM)
Charger port	Type C
Unlock method	IC Card, Bluetooth, APP

Model	B-160N
Size	69.5(L)x41.5(W)x153(H)mm
Communication	RFID 13.56MHZ Bluetooth 5.0
Water-proof	IP67
Battery	4400mAh lithium battery, non-rechargeable
Battery life	3 Years
Material	Aluminum alloy 304 stainless u shackle (7MM)
Unlock method	IC Card, Bluetooth, APP

Bluetooth Lock



Model	B-160N P
Size	68(L)x3(W)x117.5(H)mm
Communication	RFID 13.56MHZ Bluetooth 5.0
Water-proof	IP67
Display	0.96-inch LED
Battery	4400mAh lithium battery, non-rechargeable
Battery life	> 180 days
Material	Aluminum alloy 304 stainless U shackle (7MM)
Unlock method	Bluetooth, IC Card, Password authorization

Model	B-180N
Size	68(L)x3(W)x117.5(H)mm
Communication	IC Card 13.56MHZ Bluetooth 5.0
Water-proof	IP67
Battery	4400mAh lithium battery, non-rechargeable
Activation	Button
Material	Aluminum alloy 304 stainless steel wire rope
Wire Rope	Diameter:3mm (cable length can be customized)
Unlock method	Bluetooth, IC Card

GPS Tracker

GPS Tracker

Model	T-30
Feature	Vehicle positioning, tracking, track playback, fencing
Communication	GSM 850/900/1800/1900 MHz LTE-TDD/LTE-FDD/GSM/GPRS/EDGE (Optional)
Positioning	GPS+BD+LBS
LED indication	GNSS (Blue), Cellular (Green), Power (Red)
Working Voltage	9-100V
Working temperature	-25℃--75℃
Battery	200mAh
Size	82(L)x35.4(W)x14.2(H)mm

Model	G-20
Feature	Cargo positioning, tracking, track playback, fencing
Communication	GSM 850/900/1800/1900 MHz LTE-TDD/LTE-FDD/GSM/GPRS/EDGE (Optional)
Positioning	GPS+BD+LBS
LED indication	GNSS (Blue), Cellular (Green), Power (Red)
Working temperature	-25℃--75℃
Battery	3000mAh Rechargeable battery
Battery life	30 days (report interval 4 hours per time)
Size	71(L)x41(W)x28(H)mm

GPS Tracker

Model	G-30
Feature	Cargo positioning, tracking, track playback, fencing
Communication	GSM 850/900/1800/1900 MHz LTE-TDD/LTE-FDD/GSM/GPRS/EDGE (Optional)
Positioning	GPS+BD+LBS
LED indication	GNSS (Blue), Cellular (Green), Power (Red)
Working temperature	-20℃--70℃
Battery	4800mAh Rechargeable
Battery life	60 days (report interval 6 hours per time)
Size	100(L)x60(W)x24.5(H)mm

Model	G-90
Feature	Container or cargo positioning, tracking, track playback, fence, wire rope cut alarm
Communication	GSM 850/900/1800/1900 MHz LTE-TDD/LTE-FDD/GSM/GPRS/EDGE (Optional)
Positioning	GPS+BD+LBS
LED indication	GNSS (Blue), Cellular (Green), Power (Red)
Working temperature	-20℃--70℃
Water-proof	IP67
Battery	4800mAh lithium battery, non-rechargeable
Battery life	1 year (report interval 6 hours per time)
Size	64(L)x55(W)x32(H)mm 120g

GPS Tracker

Model	T-100
Usage	Mainly installed in the container vent position
Feature	Used for container tracking, positioning, track playback, temperature monitoring (Optional)
Communication	GSM 850/900/1800/1900 MHz LTE-TDD/LTE-FDD/GSM/GPRS/EDGE (Optional)
Positioning	GPS+BD+LBS
Working temperature	-30℃--70℃
Water-proof	IP67
Battery	20000mAh lithium battery, non-rechargeable
Battery life	3 Years (report interval 6 hours per time)
Size	204.25(L)x66.25(W)x32.5(H)mm
Weight	280g

LoRa Lock

(Slave/Sub-lock)

LoRa Lock

Model	B-160L
Usage	Work with LoRa Master Lock/LoRa gateway
Communication	LoRa 915MHZ Bluetooth 5.0
Water-proof	IP67
Distance	Communication distance 10-60 meters, adjustable
Battery	4800mAh lithium battery, non-rechargeable
Unlock methods	IC Card, Bluetooth, Web-platform, APP
Material	Aluminum alloy 304 stainless U shackle (7MM)
Size	69.5(L)x41.5(W)x153(H)mm

Model	B-180L
Usage	Work with LoRa Master Lock/LoRa gateway
Communication	LoRa 915MHZ Bluetooth 5.0
Water-proof	IP67
Distance	Communication distance 10-60 meters, adjustable
Battery	4800mAh lithium battery, non-rechargeable
Unlock methods	IC Card, Bluetooth, Web-platform, APP
Material	Aluminum alloy 304 stainless wire rope (3MM)
Size	69.5(L)x41.5(W)x153(H)mm

LoRa Lock

Model	B-200L
Usage	Warehouse door lock / Work with LoRa Master Lock/LoRa gateway
Size	70(L)x25(W)x225(H)mm
Communication	LoRa 915MHZ RFID 13.56MHZ Bluetooth 5.0
Distance	Communication distance 1-100 meters, adjustable
Battery	4pcs AA Battery
Standy time	> 1 years
Unlock methods	IC card, Password, Bluetooth, Web-platform
Emergency unlock	USB Mechanical Key
Suitable door	Door Thickness 35-55MM
Material	Aluminum alloy

Model	B-210L
Usage	Warehouse door lock / Work with LoRa Master Lock/LoRa gateway
Size	75(L)x30(W)x300(H)mm
Communication	LoRa 915MHZ RFID 13.56MHZ Bluetooth 5.0
Distance	Communication distance 1-100 meters, adjustable
Battery	4pcs AA Battery
Standy time	> 1 years
Unlock methods	IC card, Password, Bluetooth, Web-platform
Emergency unlock	USB Mechanical Key
Suitable door	Door Thickness 35-55MM
Material	Aluminum alloy

LoRa Lock

Model	B-400-VA
Usage	Work with LoRa Master Lock/LoRa gateway
Communication	LoRa 915MHZ Bluetooth 5.0
Water-proof	IP67
LoRa Distance	Communication distance 1-100 meters, adjustable
Battery	9600mAh lithium battery, non-rechargeable
Battery life	3 years
Unlock methods	IC Card, Web-platform, APP
Material	Aluminum alloy
Suitable	Ball valve, Butterfly valve
Size	70(L)x25(W)x225(H)mm

Model	B-400-VWL
Usage	Work with LoRa Master Lock/LoRa gateway
Communication	LoRa 915MHZ Bluetooth 5.0
Water-proof	IP67
LoRa Distance	Communication distance 1-100 meters, adjustable
Battery	9600mAh lithium battery, non-rechargeable
Battery life	3 years
Unlock methods	IC Card, Web-platform, APP
Material	Aluminum alloy
Suitable	European standard valve 800/900
Size	70(L)x25(W)x225(H)mm

LoRa Lock

Model	B-400-BX
Usage	Work with LoRa Master Lock/LoRa gateway
Communication	LoRa 915MHZ Bluetooth 5.0
Water-proof	IP67
LoRa Distance	Communication distance 1-100 meters, adjustable
Battery	9600mAh lithium battery, non-rechargeable
Battery life	3 years
Unlock methods	IC Card, Web-platform, APP
Material	Aluminum alloy
Suitable	Output valve box (can be customized according to the box size)
Size	70(L)x25(W)x225(H)mm

Locker Gateway

Locker Gateway

Model	T-800G
Installation	Installed on the vehicle, and need to connect the vehicle battery and ACC signal
Size	104(L)x75(W)x23(H)mm
Communication	GSM 850/900/1800/1900MHZ 4G LTE-FDD,LTE-TDD,WCDMA (Optional) Bluetooth 5.0 LoRa 915MHZ(Optional)
Positioning	GPS/BDS + LBS Accuracy10 meters (high-precision positioning can be selected)
Protocol	JT808
Interface	1-way RS485
LoRa distance	Communication distance 1-100 meters, adjustable
Peripherals	Slaves(sub-lock) and Sensor
Battery	2000mAh Li-battery
Working voltage	DC 9V-36V
Material	ABS Plastic

Locker Gateway

型号	T-800V
Installation	Installed on the vehicle, and need to connect the vehicle battery and ACC signal
Size	104(L)x75(W)x23(H)mm
CPU	Qualcomm 8-core 64-bit ARM corterx-a53 processor, 1.8GHZ，Built-in Adreno 506GPU
System	Android 8.0
Communication	GSM 850/900/1800/1900MHZ 4G LTE-FDD,LTE-TDD,WCDMA (Optional) Bluetooth 5.0 LoRa 915MHZ
Positioning	GPS/BDS + LBS Accuracy10 meters (high-precision positioning can be selected)
Protocol	JT808
Video input	4-ways CVBS/AHD (720P/1080P)
Storage	SD Card 128G
LoRa distance	Communication distance 1-100 meters, adjustable
Interface	2-ways RS232
Peripherals	Slaves(sub-lock) and Sensor
Battery	2000mAh Li-battery
Working voltage	DC 9V-36V
Material	ABS Plastic

Locker Gateway

Model	T-900G
Installation	Installed on the vehicle, and need to connect the vehicle battery and ACC signal
Size	104(L)x75(W)x23(H)mm
Communication	4G LTE-Cat1 Bluetooth 5.0 LoRa 915MHZ(Optional)
Positioning	GPS/BDS + LBS Accuracy10 meters (high-precision positioning can be selected)
Protocol	JT808
Interface	1-way RS485
LoRa distance	Communication distance 1-100 meters, adjustable
Peripherals	Slaves(sub-lock) and Sensor
Battery	2000mAh Li-battery
Working voltage	DC 9V-36V
Material	Metal

Locker Gateway

Model	T-820G
Installation	Fixed installation
Size	104(L)x75(W)x23(H)mm
Communication	GSM 850/900/1800/1900MHZ 4G LTE-FDD,LTE-TDD,WCDMA (Optional) Bluetooth 5.0 LoRa 915MHZ
Interface	1-way RS485
LoRa distance	Communication distance 1-100 meters, adjustable
Peripherals	Slaves(Sub-lock) and Sensor
Battery	2000mAh Li-battery
Working voltage	DC 5V
Material	Metal

Locker Gateway

Model	T-820V
Installation	Fixed installation
Size	104(L)x75(W)x23(H)mm
CPU	Qualcomm 8-core 64-bit ARM corterx-a53 processor, 1.8GHZ，Built-in Adreno 506GPU
System	Android 8.0
Communication	GSM 850/900/1800/1900MHZ 4G LTE-FDD,LTE-TDD,WCDMA (Optional) Bluetooth 5.0 LoRa 915MHZ
Video input	4-ways CVBS/AHD (720P/1080P)
Storage	SD Card 128G
LoRa distance	Communication distance 1-100 meters, adjustable
Interface	2-ways RS232
Peripherals	Slaves(Sub-lock) and Sensor
Battery	2000mAh Li-battery
Working voltage	DC 9V-36V
Material	Aluminum alloy

Locker Gateway

Model	T-820W
Installation	Fixed installation
Size	104(L)x75(W)x23(H)mm
CPU	Qualcomm 8-core 64-bit ARM corterx-a53 processor, 1.8GHZ，Built-in Adreno 506GPU
System	Android 8.0
Communication	WIFI RJ45 Bluetooth 5.0 LoRa 915MHZ
Video input	4-ways CVBS/AHD (720P/1080P)
Storage	SD Card 128G
LoRa distance	Communication distance 1-100 meters, adjustable
Interface	2-ways RS232
Peripherals	Slaves(Sub-lock) and Sensor
Battery	2000mAh Li-battery
Working voltage	DC 12V
Material	Aluminum alloy

Smart Sensor

RTK High Precision Difference Station

Model	S-1000R
Size	150(L)x150(W)x170(H)mm
Positioning t frequency	PS L1/L2; BDS B1/B2;GLONASS G1/G2;GOLILEO E1/E5b;QZSS L1/L2L;
RTK Horizontal Accuracy	0.01M +1PPM CEP
RTK Vertical Accuracy	0.01M +1PPM CEP
Sensitivity	Tracking:-167dbm; Acquisition：-160dbm; Cold start:-148dbm; Hot start:-157dbm
Datum station differential data output mode	4G_LTE remote OR LoRa radio mode (Optional)
LORA Distance	10KM
Communication	4G_LTE_Cat1
Bluetooth	Parameter configuration,OTA

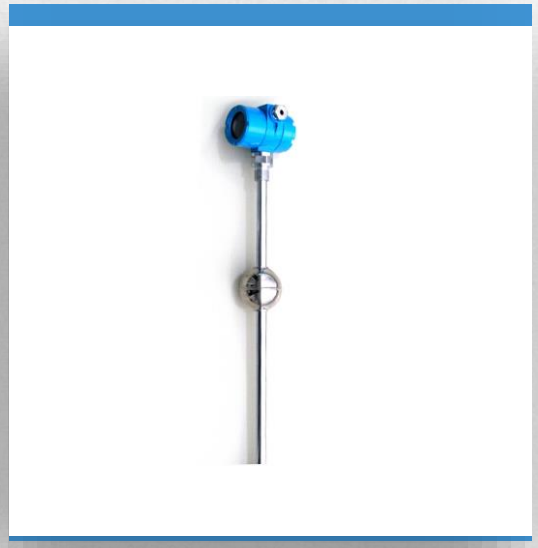
Explosion-proof Tank Truck Camera

Model	S-90V
Size	280x280x140mm
Voltage	12V
Material	304 stainless steel
Night Vision	Infrared
Pixel	1080P（AHD）
Effective range	30 meters
Water-proof	IP67
Interface	(Coaxial) can be connected with explosion-proof tube
Explosion-Proof	Exd IIC T6 Gb

Temperature and Humidity Collector

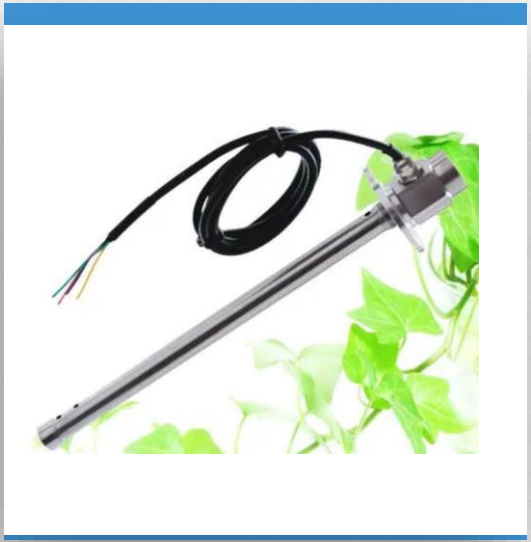
Model	S-50T
Size	83(L)x43(W)x32(H)mm
Communication	LoRa 915MHZ Bluetooth 5.0
Working	Through LoRa communicate with LoRa Master Lock/LoRa gateway
Display	OLED (Button activation)
Temperature range	-30℃ to 85℃
Temperature accuracy	0.5℃
Humidity range	1-100%
Humidity accuracy	5%
Installation	Built-in magnet ,Free installation
Battery	5400mAh
Battery life	> 3 years

Tank Truck Fuel Level Sensor



Model	L-10
Item	Fuel Level Sensor
Working	Through LoRa communicate with LoRa gateway
Voltage	DC5V~28V
Working Temperature	-30℃～70℃
Scale range	0-3000mm（Customizable）
Accuracy	±0.5MM
Output	RS232/RS485
Installation	Flange/manhole cover original oil gauge position/overflow probe position
Explosion-proof	ExiaIIBT6

Tank Truck Fuel Level Sensor



Model	S-30L
Item	Fuel Level Sensor
Working	Through LoRa communicate with LoRa gateway
Voltage	DC5V~28V
Working Temperature	-30℃～70℃
Scale range	0-3000mm（Customizable）
Pressure range	0.1MPa～0.4MPa
Pole diameter	Φ25
Accuracy	1%
Output	RS232/RS485
Installation	Flange
Explosion-proof	ExdIIC T5