



Product Specification

Product Name:

2.4G IOT Smart Terminal

Model NO.:

ZR7901P



Description:

ZR7901P IoT smart terminal (animal husbandry) is a device for IoT data collection applications. It fully combines the characteristics of RFID technology to collect the information emitted by RFID tags in real time, and cooperates with the location information of the base station itself to realize the monitoring of personnel, vehicles, and animals. Position positioning, the farthest reading distance reaches 400 meters.

ZR7901P has a temperature and humidity sensor, which can monitor the temperature and humidity of the installation location.

At the same time, the ZR7901P IoT smart terminal uses a 32-bit ARM core MCU, which provides high-speed computing capabilities, and the ability to process more than 1,000 concurrent tags. It has high real-time and accuracy.

Key Features:

- 1. 2.4GHz ISM open band, comply with wireless management regulations
- 2. Dual-polarized directional antenna for directional reading up to 400 meters.
- 3. Device management such as parameter configuration and remote upgrade via TCP/IP and GPRS.
- 4. Bluetooth BLE4.0 wireless connection for device parameter configuration.
- 5. High reliability: rainproof, lightning protection, against typhoon.

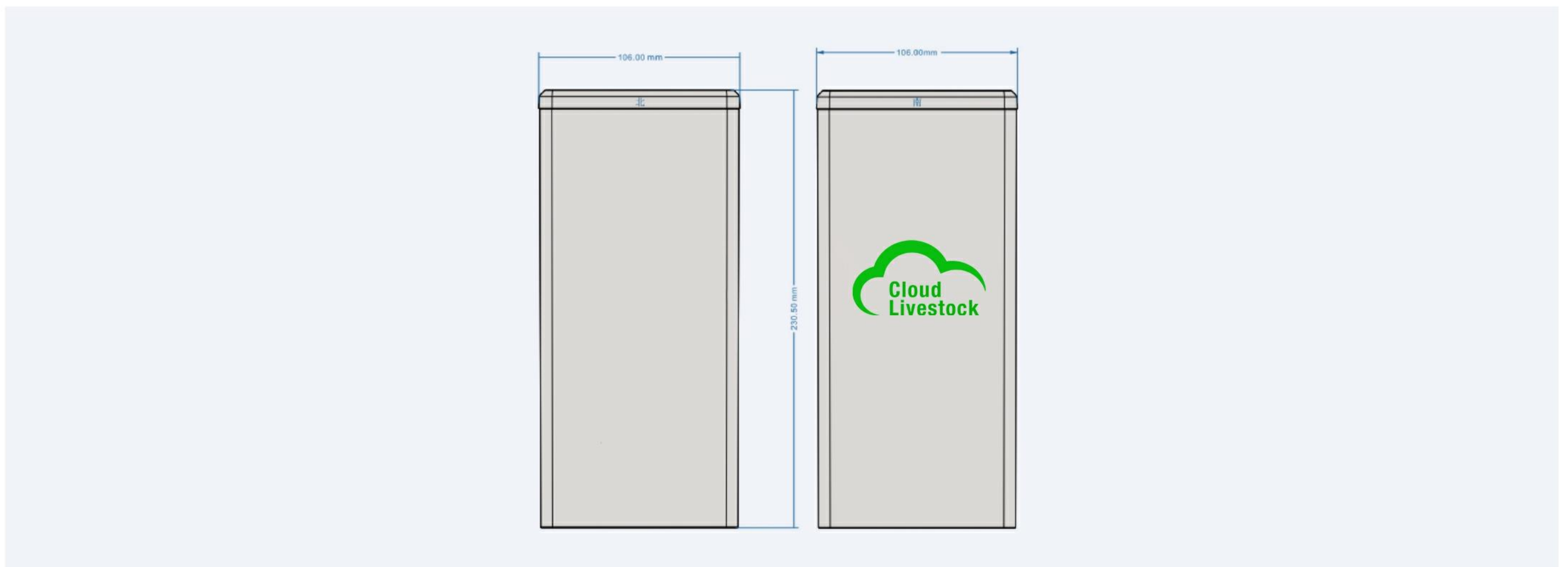
Parameters:

Model	ZR7901P
Signal modulation mode	GFSK
Traffic rate	1Mbit/s
Working frequency	2440MHz
Lateral tension (wind-proof)	20N (Typhoon level 12)
Lightning protection level	≥4000V
Antenna gain	12dBi Dual polarization directional antenna
MAX receive sensitivity	-90dbm
Reading range	MAX 400m (based on tag type)
IP	IP65
Material	ABS, high temperature resistant, white color
Dimension	230*106*106mm
Input voltage	9-12V
Net weight	2kg
Power consumption	300mA
Power adaptor	12V 2A
Operating temperature	-20°C~+60°C
Storage temperature	-45°C~85°C
Transfer method	4G and TCP/IP
Temperature measurement accuracy	0.3°C
Humidity measurement accuracy	3%RH

Applications:

Data collection of pig farms and data collection of cattle and sheep pasture

Dimension:



Accessories:

