RFID Animal Electronic Ear Tag Stick android reader



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I.Brief

Stick Android version of the card reader handheld is a new, the industry's only Android system of animal tag reader, to solve the customer with a stand-alone version of the handheld machine outside the mobile phone connected to the bluetooth to do the system integration. Support card reading, GPS, mobile networking, Bluetooth, wifi connection and other operations.

This card reader consists of a card reader board, display board, battery board plus shell antenna, card reader board is mainly for the animal industry in the low-frequency ear tag to read the card operation; between the core board and the card reader board to use the serial port for communication, stable, reliable, easy to develop, support for Android users can customise the APP according to the project requirements to design the user's own products, so that it is suitable for every user.

New appearance, excellent and stable performance. Add more functions under Android system, support 2G/3G/4G mobile, Unicom, Telecom and other networks.

II.Android system parameters

CPU	MT6735CA (Quad-core Conrtex-A53 (64Bit))
Random access memory	1G LPDDR3 8G eMMC
Main frequency	1.3GHz
Baseband Version	MQLY.LR9.W1444.MD.LWTG.MP.V12
Kernel Version	3.10.65 songxiebing@19zn-server3 #2
Total Storage	5.05GB
Bluetooth	Bluetooth4.0
Screen	3.5 inch 480*320 resolution
WLAN	802.11a/b/g/n/ac Wi-Fi
GNSS	GPS/Beidou/GLONASS

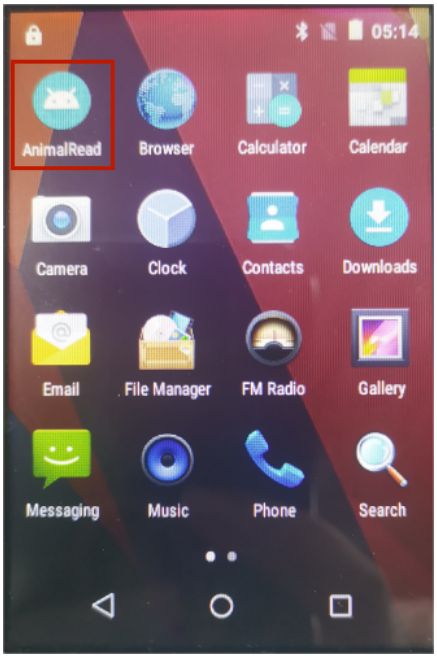
Android system we use google original android 5.1 system 3.10.65 kernel version, including TDD-LTE, FDDLTE, WCDMA, TD-SCDMA, EVDO, CDMA1X, GSM seven kinds of network system, to meet the market Internet.

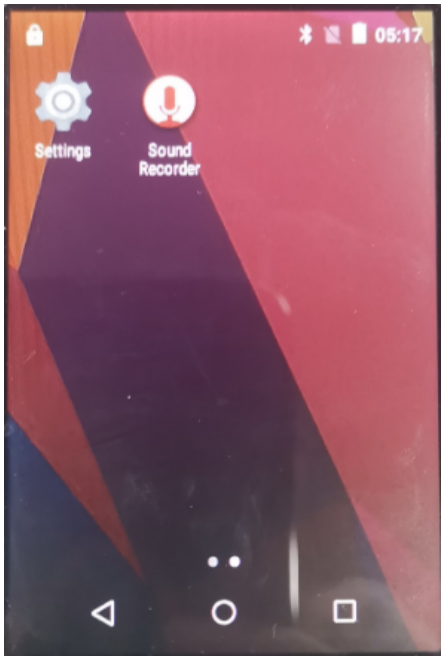
The display board with android core board controls the card reader board, and the battery board supplies power to the display board and the card reader board.

III. Equipment parameters

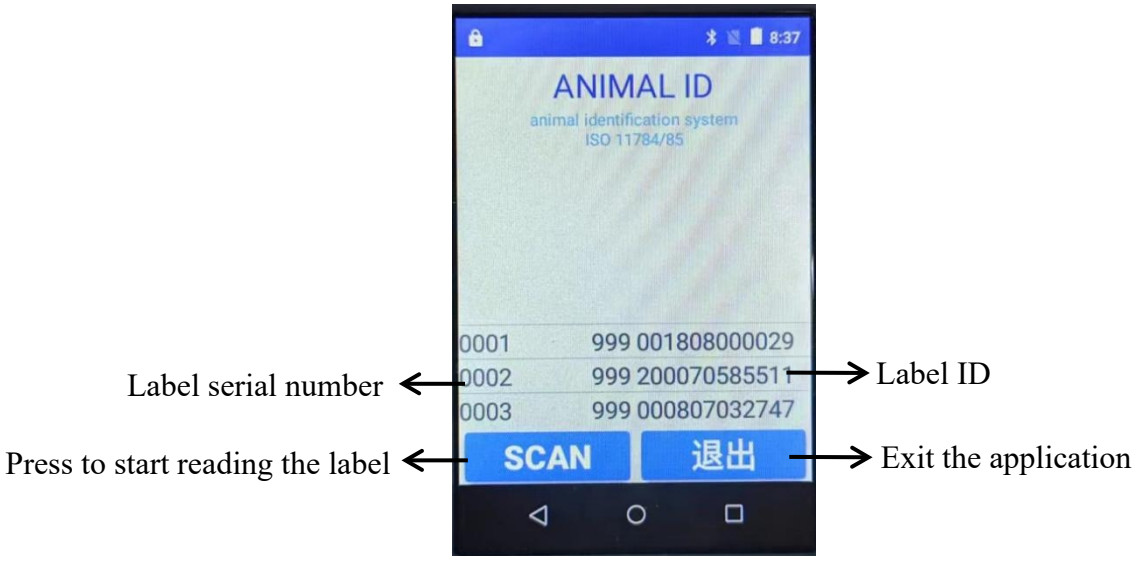
Operating Frequency	134.2Khz、125Khz
Label format	FDX-B、HDX、EMID
Sensing distance	FDX-B: 2.12*12mm glass tube labels: 7cm(±3cm) 30mm ear tag: 20cm(±5cm) HDX: 30mm ear tag: 23cm(±5cm) (The reading distance of the device is related to the performance of the tag and the operating environment.)
Standard	ISO11784/85
Reading time	＜100ms
Signal indication	3.5 inch 480*320 high brightness LCD, buzzer
Power supply	3.7V lithium battery
Power Consumption	Work: 1.5W, Standby: 0.7W
Storage capacity	20000 Articles
Battery Life	Full power greater than 10000 readings
Battery Capacity	3000mAH
Communication Interface	USB2.0, Bluetooth 4.0, WIFI
Appearance	Length: 80CM Width: 8CM Height: 4CM
Weight	540g

IV. Equipment operation and characteristics





Find the software named "AnimalRead" icon ,click to enter the scanning interface click on the screen "SCAN" or press the entity "SCAN" key, along with the Buzzer response, into the scanning state, scanning to the label, the buzzer responds again to read the serial number, label number, one by one to display out.



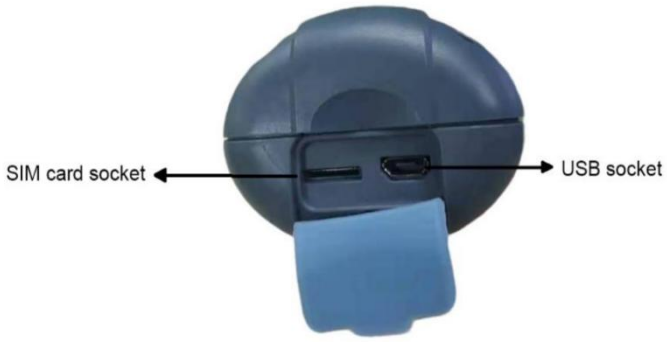
This card reader is the most prominent is that we read the card antenna is a stick type shape, in reading the card antenna sends out a rugby ball shaped induction electromagnetic field to read the card, do not need to be aligned with the ear tag, only need to read the card reader top (antenna position) close to the ear tag to read the card

right away, convenient and free to operate.

V. List of functions

About Android system Because the main use of the handheld is animal husbandry information management, so this device has shed all the functions of the Android system. The specific function list is as follows:

Main Android features	
WLAN	√
Bluetooth	√
Mobile Network	√
Dialling Calls	×
SMS Communication	√
Photo & Video	×
GPS	√
Date and time	√
Language input method	√
Sound recording	×
Music media	×
Calculators	√



VI. Notes

1.This product is an electronic product and is transported and stored as regular electrical equipment.

2.Avoid dropping or impacting the reader from a high place.

3.Do not expose the reader to high temperatures, humidity or corrosive environments.

4.Non-professionals should not open the reader case.

5.Please use the provided data cable for online operation.

6.Do not often remove the battery back cover.

VII. Packing List

No.	Name
1	Stick reader device
2	USB cable
3	Charging Plug

VIII. Product Warranty

1. Since the date of your purchase of the product, due to the quality of our products itself within one year of free maintenance.

2. Non-product quality of the company's products due to the user's improper use, unauthorised modification of equipment, additional connections, operational errors and other human factors caused by equipment damage and the need for repair or replacement depending on the user to bear the cost of the relevant maintenance and transport.