

ST10

Stationary Livestock Identification System Powered By RFID Technology



Designed according to the latest international standards to detect moving livestock automatically, and sending livestock ID to other devices via WiFi or GSM.



Features

- Equipped with LF RFID reader
- Detecting of moving livestock automatically
- High stability of frequency
- Water and dust resistant
- Connections: WIFI, GSM and A-GPS
- Programmable with C language
- Windows DLL for high level PC languages

Applications

- Livestock information management , ...
- Livestock identification card generating
- Milk recording
- Genetic information tracing
- Livestock diseases information recording
- Husbandries



ST10 Specifications

**Specifications are valid at nominal input voltage and an ambient temperature of +25°C, (77°F).
Specifications are subject to change without notice.**

General

Type	Handheld Data Collector Terminal
CPU	Silicon lab, 48MHz
RAM	8Mbytes Flash
Date & Time	Real Time Counter (RTC)
Keyboard	19Keys: Digits and Functional On/ Off key 2Special Keys: START and STOP Functions
Display	Graphic LCD Two types of fonts: Large (4*16), Small (8*18) Contrast controllable Backlight On/Off Two Lights: Green for Antenna Status, Red for Errors and...
Other	Buzzer

Power

Battery	Chargeable Li-ion, 7.4V/ 2000mAh
Charger	Adaptor 8.4V/ 1A
Work Time with Full Battery	Backlight Off: more than 10 hours
Data Retention	10 Years
Power Management	Turn Off Backlight Automatically Turn Off Device When Power Is Low

Connectivity

RFID Reader	RFID LF 134.2KHz (or 125KHz optional) Reader
USB	For Data Exchange with PC and Battery Charging
WIFI	802.11 b/g/n Protocol +19.5dBm Output Power in 802.11b Mode
GSM, A-GPS (optional)	Frequency Band: (Quad-band) GSM 850, EGSM 900, DCS 1800, PCS 1900 Transmitting Power: Class4 (2W) at GSM 850 and EGSM 900, Class1 (1W) at DCS 1800 and PCS 1900

Physical Characteristic

Reader Main Box Size	40*25* 20 cm (Length, Width, Height)
Antenna Size	100*100*2.5 cm (Length, Width, Thickness)
Operating Temperature	- 20 ~ 55 °C
Storage Temperature	- 30 ~ 70 °C
Humidity	20 ~ 95% RH

Accessories

USB Cable
Adaptor 8.4V/ 1A
2 External Lights (Green and Red)
Main Box Holder (optional)

Development Tools

Windows DLL
C Libraries

One Year Warranty , Five Years After Sales Services