

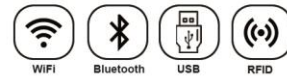
# GR10

## Gate Reader

Powered By RFID Technology



Designed according to the latest international standards to detect moving livestock (Sheep, Goat, and etc) automatically, and sending livestock ID to other devices via WiFi.



### Features

- Equipped with LF RFID reader
- Detecting of moving livestock automatically
- Sending data to cell phone and computer via WIFI
- Storing time automatically after reading RFID tag
- Storing more than 250000 records
- Android app. with different facilities
- Programmable with C language
- Windows DLL for developing proprietary applications
- Simple to use and efficient

### Applications

- Reading RFID tags for livestock
- Livestock information management, ...
- Livestock identification card generating
- Milk recording
- Genetic information tracing
- Livestock diseases information recording
- Husbandries



TAPCO- Leader of Automatic Data Collection Systems

## GR10 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	Gate Reader
CPU	32-bit ARM Cortex-M3, 100MHz
Storage Capacity	Up to 250000 Records (Serial of Tag Along With Read Date and Time)
Date & Time	Real Time Counter (RTC)
Keyboard	One Key for On-Off/ Reading Tag
Display	Two LEDs: Red for Power, Green for OK
Other	Buzzer

### Power

Battery	Chargeable Li-ion, 3.7V/ 3300mAh
Charger	Adaptor 5V/ 1A, MiniUSB 5V
Work Time with Full Battery	Standby Mode: More Than 10 Years Working Mode: Reading More Than 60000 RFID Tags (or Reading RFID Tags Continuously for 35 Hours)
Data Retention	10 Years
Power Management	Auto Power Off Device Turn Off Device When Power is Low

### Connectivity

RFID Reader	RFID LF 134.2KHz (or 125KHz optional) Reader
MiniUSB	For Data Exchange with PC and Battery Charging
WIFI (or Bluetooth optional)	802.11 b/g/n Protocol +19.5dBm Output Power in 802.11b Mode

### Physical Characteristic

Overall Size	110* 64* 7.5 cm (Length, Width, Thickness)
Gate Size	92*46 cm (Length, Width)
Gate Type	Wood
Operating Temperature	- 20 ~ 55 °C
Storage Temperature	- 30 ~ 70 °C
Humidity	20 ~ 95%RH

### Software

Simad: Application for Livestock Information Management (Windows, Android)

### Development Tools

Windows DLL
C Libraries

### Accessories

MiniUSB Cable
Adaptor 5V/ 1A
Android Application Software
Windows Software (optional)

**One Year Warranty , Five Years After Sales Services**