

SI801 UHF Mid-range Integration Reader



Integrated Reader with built in 8dBi antenna, reading 8m, portable and user-friendly, Is widely used in asset tracking, production line, warehouse, logistic management, vehicle and personal management.

Functions

- UHF (860-920MHz) band, equipped with 8dBi antenna
- Support standard RS-232, 10M/100M Ethernet interfaces
- Multi-group I/O ports, controlling the functional mode of the reader/writer (optional)
- Order-trigger, set time-trigger and out-trigger suitable for customer's applications
- Upgrade firmware by serial port online
- Strong API user interface

Expansive Functions

- RS-485, Wiegand interfaces
- 802.11 WIFI module
- Flash memory optional

Applications

- Production line management
- Digital Warehouse, Logistics System Management
- Asset Management
- Vehicle Checking, personal management

Performance Index

Operating Frequency	902 - 928MHz, 865 - 868MHz, RF band customized (optional)
Frequency Hopping	FHSS or Fixed Frequency
Power Output	+20dBm ~ +30dBm@50Ω load, 1dBm each step
Antenna	Built-in 8dBi Circular Polarization antenna
Communication Interfaces	RS-232, 10M/100M Ethernet interfaces
Optional Interfaces	RS-485, Wiegand 26/34 and 802.11 Module interfaces
I/O Interfaces	2-channel Relay Output, 2-channel Trigger Input, 2-channel level Output (Optional)
Firmware Upgrade	Supporting serial port
Application Software Platform	API(C++, C#) development kit (can be customized)

Tag Operation

Tag Protocol	ISO18000-6B, EPC Class 1 Gen 2(ISO18000-6C)
Reading Range	0~8m
Writing Range	0~3m

Mechanical/Electric Performance

IP Rating	IP65
Indicator	Buzzer and LED(Power, Antenna, Reading/Writing)
Power	DC 12V Input, power adaptor
Power Assumption	2W(Standby), 10W(Working)
Product Dimension	9.9 in x 9.9 in x 3.0 in (LxWxH); 250mm x 250mm x 76.5mm (LxWxH)
Package Dimension	450mm x 305mm x 155mm (LxWxH)
Net Weight	1.91kg
Gross Weight	3.27kg
Operating Temperature	-40°C ~ +60°C
Storage Temperature	-60°C ~ +80°C
Humidity	5% ~ 95%(non-condensing)