

SF805 Long-range reader with connection for 4 antennas



Reader operates in UHF frequency band, with long distance reading, high reading accuracy, massive functions, high reliability, and strong expandability.

Functions

- UHF (860-920MHz) band, customize the local RF band (optional)
- Support standard RS-232, USB2.0 , and 10M/100M Ethernet interfaces
- Multi-group I/O ports, to control the functional mode of the reader/writer
- Command-trigger, set time-trigger and out-trigger suitable for customer's applications
- Multi-reading, with special designs to eliminate interfering
- Upgrade firmware by serial port online
- Powerful API

Expansive Functions

- RS-485 bus, Wiegand and CAN bus communication interfaces
- GPRS/GSM,CDMA, 802.11 WIFI modules and other wireless modules
- Expanding SD card or e-disc as local-storage
- Flash memory optional

Applications

- Asset, inventory Management,
- Warehouse, logistics, supply chain management.
- Vehicle parking, intelligent weighing
- E-Toll on highway

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 Interface	4 SMA interfaces
Communication Interfaces	RS-232 / USB2.0 / 10M or 100M Ethernet
Optional Interfaces	RS-485, Wiegand26/34
Wireless Expandable Module	GPRS/GSM Module, CDMA, 802.11 WIFI Module
I/O Interfaces	2-channel Relay Output, 2-channel 12V level signal output, 2-channel photoelectric isolation input
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	0~15m(depends on antenna)
Writing Range	0~5m

Mechanical/Electric Performance

IP Rating	IP54
Indicator	Buzzer and LED(Power, Antenna, Reading/Writing)
Power	DC 12V input, power adapter
Power Consumption	2W(Standby), 10W(Working)
Product Dimension	9.8 in × 6.5 in × 1.8 in(L×W×H); 250mm×164mm×46mm(L×W×H)
Package Dimension	320mm×226mm×133mm(L×W×H)
Net Weight	1.48kg
Gross Weight	2.2kg
Operating Temperature	-40°C ~ +60°C
Storage Temperature	-60°C ~ +80°C
Humidity	5% ~ 95%(non-condensing)