

Product Description



OVERVIEW

811A is a high-performance UHF RFID integrated reader. It is designed with low power dissipation and high integrated RFID chip solution, which has features of long reading distance, high identification speed, multiple interfaces and ease installation. It can be widely used in logistics tracking, commodity inventory, cargo sorting, vehicle management, personnel management, asset management, medical systems, cold chain management, temperature monitoring, power monitoring, anti-counterfeiting systems and production process control and many other applications.

Key Features

- * Designed with low power dissipation and high integrated RFID chip solution
- * Support EU 840~868MHz, US 902~928MHz working frequency (or Customized)
- * Support EPC Global UHF class 1 gen2 / ISO18000-6C protocol RFID tags.
- * Optimized multiple tags inventory algorithm, speed is more than 100 per second
- * FHSS or Fix Frequency transmission
- * RF output power up to 30dBm (1dbm step adjustable)
- * Support command, polling and trigger mode
- * Support EPC, TID and USER inventory in independently or conjunctively
- * Support IAP firmware upgrading
- * Low power dissipation with single +12 DC power supply

- * Support USB, RS232, RS485, Weigand, RJ45(TCP/IP, UDP) and WIFI, 4G at option
- * Built-in 8 dBi circular polarized antenna with effective distance up to 20 m (adjustable)
- * Provide DEMO and SDK for development
- * Support development based on Windows, Android, Linux etc. and C, C#, JAVA etc.

Vehicle Tracking 6M RS232 WG26 RELAY Interface Antenna Integrated Long Distance Reader

Main Function

Protocol	EPCglobal UHF Class 1 Gen 2 / ISO 18000-6C
RSSI Testing	Support
RFID	
Frequency	EU 840~868MHz/ US 902~928MHz or customized Fixed or FHSS
RF Power	30dBm±1dB(Max)
Step Power	30dBm±1dB(Max)
Step Power	1dBm
Signal Width	<250KHz
Antenna	Built-in 8dBi circular polarized antenna
Tag Reading	
Effective Distance	8dBi circular polarized antenna, 30dBm, standard testing tag Read:8m Write:3 meters
Reading Speed	100tags/s
Communication Parameter	
Interface	RS232, RS485, Weigand 26/34, Trigger and RJ45(TCP/IP, UDP, PoE) 4G, BT and WIFI are optional
Baud Rate	115200bps
Power Parameter	
Operating Voltage	+12.0V(+9~+24V)
Operating Current	<600mA/DC12V
Standby Current	<200mA/DC12V
Temperature Parameter	
Operating Temperature	-20~+55°C
Storage Temperature	-30~+85°C
Operating Humidity	<95%RH (+25°C) Non-condensing

Product Picture

Product Picture

Detailed image

01

Spare parts: 1pc reader, 1pc power adapter, 1pc installation bracket

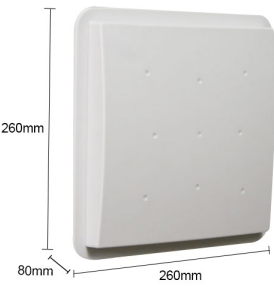


02

Reader dimension:



Front side Side view



Reader Size 260*260*80mm

03

Interface: RS232, RS485, Wiegand, R445, PoE, Bluetooth, WIFI, 4G at option



Interface category	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5
GPIO Interface	GPIO2 (Wiegand1)	GPIO1 (Wiegand0)	GPIO2	GPIO1	GND
RS-485 Interface	GPIO1	GPIO2	RS485 Bus +	RS485 Bus -	GND

remarks:
GPIO: General Purpose Output
GPI: General Purpose Input
GND: Ground
GPIO: General Purpose Input and Output

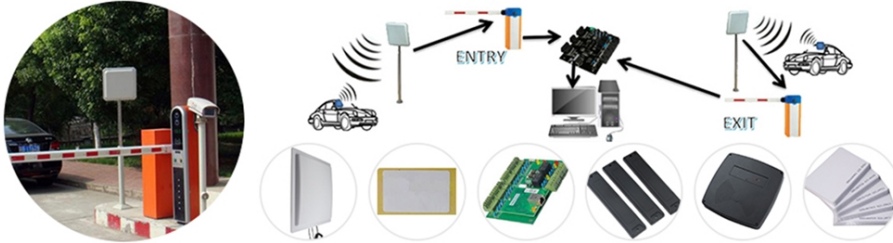
05

Package size: 30.5*31.5*22 cm



Related Products

Complete RFID Car Parking Solution Provider



UHF RFID Reader



UHF RFID Reader



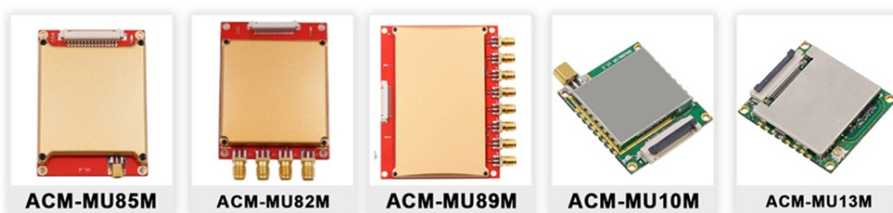
UHF RFID Reader



UHF RFID Reader



UHF RFID Reader



Detailed Images



Decomposition display >>



Show details >>

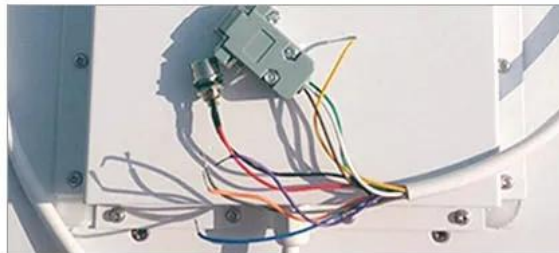
01

RS232/RS485,
Wiegand26/34, RJ45
communication
interface support



02

Support ISO18000-6C
and ISO18000-6B
protocol



03

High-Speed write data



04

Easy to install



RFID UHF 15m long range card reader can be compatible with multi-protocol, integrated design, multi-tag reading, anti-collision, suitable for logistic and warehouse management, car parking system, access control, time attendance, bus transportation etc lots of field, can read and write , fast speed read and recognized. This is a popular integrated reader, Compatible with ISO18000-6C (EPC C1GEN2) and ISO18000-6B. It is an industry grade product for harsh environment, IP-65 protection case for water-proof, easy to install. Mainly application as follows: 1. Parking management: Long range intelligent parking management and automatic charge without stop the car. 2. Production line management: Goods identification for production flow. 3. Auto Access control: Long range access control management for custom, sea port. 4. Logistics and warehouse management. 5. People auto registry for important meeting or exhibition. 6. Automatic weighing and data capture. Features: Support ISO18000-6C and ISO18000-6B protocol. RS232, RS485, Wiegand26/34, RJ45 communication interface support. Advanced tag collision processing algorithm, high literacy rate. High-Speed write data.



Application display >>

Multi-purpose machine, suitable for different occasions



Packing & Delivery



Shipping Way

We are one of the leading exporter of RFID products in China since 2000 years . With

rich international trade experience we know the international shipping very well , We know which express or air/sea line is cheap and safe to your country . We can supply various certificate for you to clean your custom to such as CO , FTA , Form F , Form E ...Ect . We wil provide our professional suggestion for your shipping . EXW , FOB , FCT , CIF , CFR ...trade term are ok for us . We can be your reliable partner for products and shipping .

Quality Warranty

- Warranty Service will be honored if the damage is not caused by human, ACM Goldbridge provides 2 years warranty for relative products.
- On the contrary, ACM Goldbridge will cahрге extra if repair.
- More information, please browse our service center

Our Service

- 1, Any inquires will be replied within 24 hours
- 2, Professional manufacturer and supplier, Welcome to visit our website and our factory
- 3, OEM/ODM Available
- 4, High quality, fashin desing, reasonable & competitive price, fast lead time
- 5, After-sale Service :
 - 1), All products will have been strictly quality checked in house before packing
 - 2), All products will be well packed before shipping
 - 3), All our products have 2-3 year warranty if the damage is not caused by human
- 6, Faster delivery : Around 1~ 5 days for sample order, 7~30 days for bulk order
- 7, Payment : You can pay for the order via : T/T, Western Union, Paypal, Ali trade assurance
- 8, Shipping: We have strong cooperation with DHL, FEDEX, TNT, UPS, EMS, Forwarder by SEA and By AIR, You also can choose your own shipping forwarder.

Company Information:

20⁺ YEARS EXPERIENCE OEM & ODM

ACCESS CONTROL SYSTEMS ONE STOP SOLUTION PROVIDER

Goldbridge is Top 10 China Manufacture On Alibaba, Specializes In Provide Kinds Of RFID/NFC Cards, FID Tags, RFID Card Reader, UHF Reader, Access Control System, Electromagnetic Locks, etc Since 1999



Customized
Services



Quality
Assurance



Fast
Delivery



Best After-
Sales Service

OUR FACTORY



Access Control and RFID Reader Production Line:

- Monthly production quantity is up to 50,000pcs, We are Provides OEM&ODM services including product research and development, LOGO printing, customized etc



Electromagnetic lock & Smart Door Lock Production Line :

- Monthly production quantity is up to 100,000pcs,
- Our factory is built with modern manufacture environment, facilities, equipment and professional operation technicians.
- Goldbridge Provides OEM&ODM services including product research and development, LOGO printing and product box customized.



RFID & NFC Cards & Tags Production Line :

- RFID Tag, Wristband, Keyfob: 11,000,000pcs (monthly output)
- Four Production Lines For Smart Card, PVC Card, Prelam Sheet: 20,000,000pcs (monthly output)
- Goldbridge Provides OEM&ODM services for LOGO printing, development, customized.

ADVANTAGE



WHY CHOOSE US?

- FAST DELIVERY** Faster delivery by air by express. (DHL, UPS or Fedex)
- LONG HISTORY** 20 years experience in RFID & Access Control industry
- OEM ACCEPTABLE** 20 years OEM&ODM experience for 1000 + VIP client from US and Europe
- HIGH QUALITY** Design and manufacture high quality products with 30 R&D; engineers.

APPLICATION

Bus, supermarket, school, government, hospital, factory



CERTIFICATE



