ASR-FC06

This is a small desktop reader. The radio frequency channel is based on Phychips' highly cost-effective UHF RFID chip. It is compatible with ISO 18000-6C standard. Its working frequency is 902MHz～928MHz. It is used for short-distance identification or background card issuer management. The small integrated reader/writer is small in size and easy to carry. It is suitable for personnel access control, picture document management, and backstage operations such as electronic label reading, writing, authorization, and formatting.

Application area:

Logistics and warehousing management: Item flow and warehousing management, as well as the flow management of mail, parcels, luggage, etc.

Intelligent parking lot management: Parking lot management and charging automation.

Production line management: Identification of fixed-point production processes.

Product anti-counterfeiting detection: Use the write protection function of the memory in the label to identify the authenticity of the product.

Other fields: In club management, library, student status, consumption management, attendance management, dining management, swimming pool management and other systems have been widely used.

Product Features:

The appearance is small and square, suitable for indoor desktop placement;

The radio frequency channel is based on the M100 dedicated UHF RFID chip;

Using PCB circular polarization antenna, the performance of reading and writing tags is better;

The label reading distance has a wide range, adjustable from 10cm to 1m to suit different applications.

The industry's higher success rate of label writing.

Multi-label recognition capability: >20 labels.

Label recognition speed: >20 sheets/sec.

Passive Desktop Card Issuer Technical Parameters

Features	
Working Frequency	902MHz – 928MHz
Label Agreement	EPC global UHF Class 1 Gen 2
Frequency Hopping	Broad spectrum frequency hopping (FHSS) or fixed frequency, can be set by software.
Antenna	2dBiCircular polarization antenna（Built-in PCB antenna）
Ooutput Power	0-30dBm
Reading distance	Maximum reading distance of tags: 1m (related to factors such as transmit power, antenna type, tag type and application environment)
	Maximum distance for writing tags: 0.1m (depending on factors such as transmit power, antenna type, tag type and application environment)
Operating mode	Active mode
	Answer mode
Electrical parameters	
Operating Voltage	Direct current +5V
Standby current	<80mA
Working current	180mA @ 3.5V (26 dBm Output，25°C)
	110mA @ 3.5V (18 dBm Output，25°C)
External interface	
Communication Interface	USB virtual keyboard
working environment	
Operating temperature	-20℃～70℃
Storage temperature	-20℃～85℃
Physical parameter	
Size	130mm×85mm×12mm
Weight	150g
Appendix	
Power cable	Equipped
RS-232 Signal line	NO
Development kit	Supply VS, Android SDK