FSC-H001 Pro UHF RFID Reader

Introduction

FSC-H001 Pro is a multifunctional UHF RFID handheld reading and writing device that supports ISO18000-6C protocol. The working frequency band covers CHN: 920MHz ~ 925MHz, FCC: 902MHz ~ 928MHz and ETSI: 865MHz ~ 868MHz. The output power is 0dBm ~ 30dBm optional. The device can quickly locate electronic tags and supports three wireless communication methods: Bluetooth, WiFi and 4G. It can communicate with smart terminals such as mobile phones and tablets via Bluetooth, and can also interact with background systems through WiFi and 4G .

Compared with traditional handheld readers and writers, this device has the advantages of being lightweight, capable of rapid positioning, and long identification distance. At the same time, it also has excellent performance in terms of reading speed, accuracy, anti-interference ability, and protection performance. It can be widely used in many fields such as library and archive management, logistics management, warehousing management, asset management, and commercial retail.

Features

- The built-in circularly polarized antenna supports manual and fast switching between high and low power, which can meet the needs of long-distance reading and short-range precise positioning. It is especially suitable for quick search of single products in books,

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logistics, retail and other fields;

- Built-in orientation sensing sensor, using patented algorithm to quickly lock the current tag's position;
- Storage capacity is optional, supporting up to 50,000 pieces of tag data;
- It can work independently or collaborate with smart terminals via Bluetooth, which is convenient and fast;
- Direct data delivery via WiFi or 4G communication and backend management system;
- Using industry-leading high-performance radio frequency chips, it has excellent reading and writing performance;
- Independent mold opening, stylish appearance and simple operation interface;
- Supports voice prompts and vibration motor prompt functions.

Applications

- Books, file management, warehousing, logistics management, etc.
- Supply chain management, production automation, visual management, etc.
- Retail store management, hotel management.
- Intelligent vehicle management such as vehicle access control, parking lot, automatic vehicle weighing industry, etc.
- Asset inbound and outbound management, etc.

Main technical performance indicators

Physical parameters	
Size	203.4mm x 145mm x 145mm
Weight	500g
Shell material	Engineering plastics
Display	1.4 inches, 240*240 pixel
Speaker	1, support
Indicator light	2, Power, network status
Keyboard	SW key (side), PWR key (side), up, down, cancel, enter, SCAN key (main)
Main function	
Air interface protocol	EPC C1G2/ISO18000-6C
Communication Interface	Bluetooth 4.2

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Charging and programming port	USB Type-C
Operating mode	Fixed frequency/frequency hopping optional
Features	Supports intensive reading and writing, supports firmware online upgrade, and supports RSSI: perceptible signal strength
Performance parameters	
Working frequency	CHN: 920～925MHz; FCC: 902～928MHz; ETSI: 865～868MHz
RF output power (port)	30dBm（MAX）
Output power adjustment	1 dB step
Channel occupied bandwidth	<200KHz
Antenna	6dBic circular polarization antenna
Reading distance	0～20 m (related to factors such as transmit power, antenna type, tag type and application environment)
Writing distance	0～10 m (related to factors such as transmission power, antenna type, tag type and application environment)
Tag recognition speed	>500 times/second
Working environment	
Operating temperature	-20℃～+50℃
Storage temperature	-40℃～+70℃
Working humidity	10%~95% RH non-condensing

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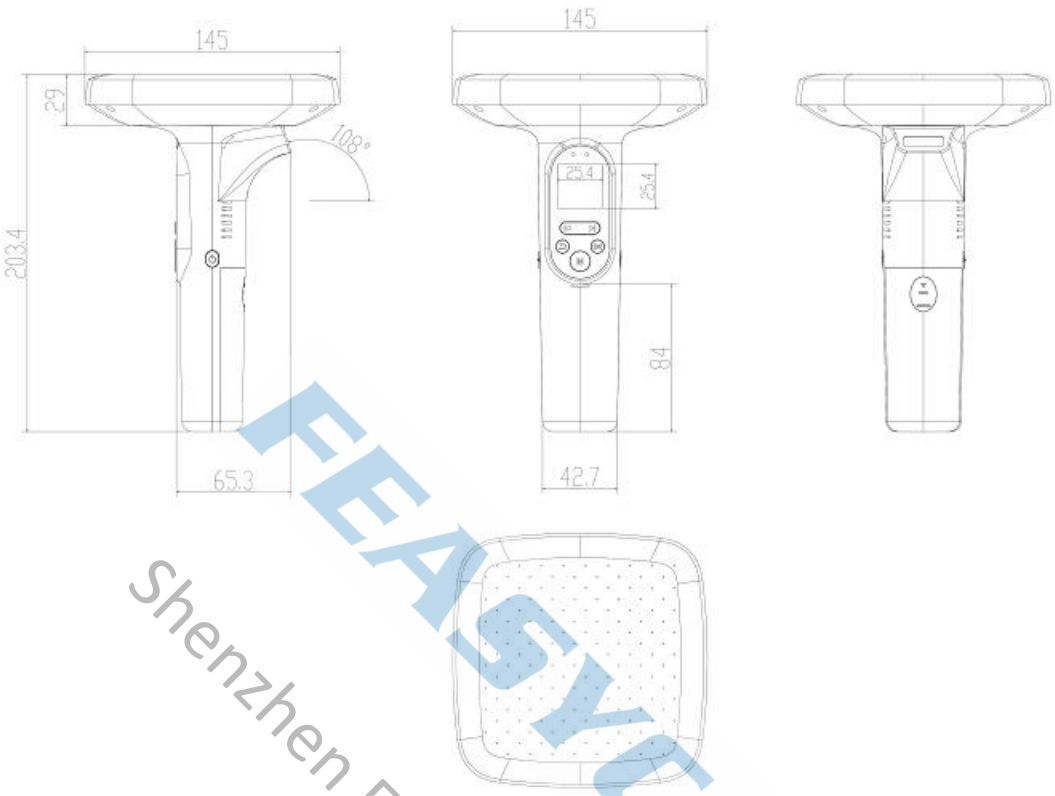
Dimensions



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