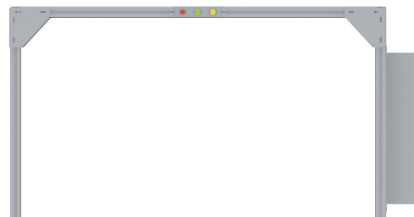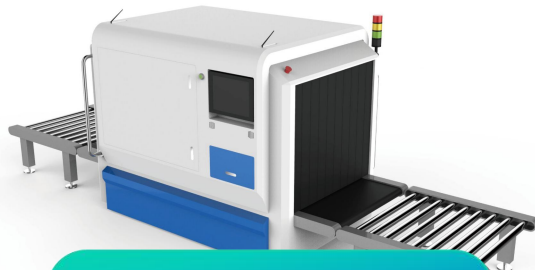# UF3

4-Channel Fixed UHF RFID Reader

Classic Applications

Warehousing Access

Industry: Warehousing

Identify the access of goods and vehicles and checking against system work orders. Compared with barcode technology, the efficiency is increased by more than 300%. Meanwhile, manpower is saved.

RFID Tunnel

Industry: Logistics, Clothing Warehousing

Quickly identify the goods on the high-speed assembly line of the logistics industry. In the clothing warehousing industry, volume clothes in the whole package can be read and the efficiency is 10 times higher than the manual inventory.

Smart Cabinet

Industry: Tool Cabinet, Filing Cabinet, Medical Cabinet, Retail Cabinet

Realize the rapid inventory and identification of the items in the cabinet, combined with the software system, it can achieve real-time record the items and make them traceable to prevent loss, omission and theft.

Product Intro

UF3 4-channel Fixed UHF RFID Reader

Industrial Grade · High Performance · Flexible Development

UF3 is a 4-Channel UHF reader developed by SEUIC with built-in Impinj R2000 engine. It integrates RS232, TCP/IP and other protocol interfaces and various specifications of antennas can be matched. Combined with proprietary and efficient signal processing algorithms, it achieves high reading rate and fast tags reading and can be widely used in logistics, asset management, smart stores, smart cities, etc.

Product Intro

- Support ISO18000-6C/6B Class1 Gen2 Protocol
- Output Power Adjustable from 5dBm to 30dBm
- 4 TNC Antenna Interfaces
- Tags Reading Rate＞700PCS/s
- Support EPC & TID Anti-collision Modes

- Automatic Mode, Interactive Mode, Trigger Mode, etc.
- Multiple Communication Protocols: RS232/485, Wiegand (CAN, TCP/IP, WIFI Optional), etc.
- Support 3 GPIO outputs.

Features

UF3

· Field Industrial Grade Protection

High-strength Aluminum Alloy CNC, Ultra-rugged
Industrial Lightning Protection & Anti-magnetic Design
Running Status Monitoring, 24h X 365 of Real-time Operation

Features

UF3

High-performance Multi-label Algorithm

Designed for fast reading scenarios such as logistics
sorting

Accuracy rate of 99.9% with 1.5m/s speed & 30cm spacing

Seuic

2

UF3
Order & Accessory

UF3 Order Example

Seuic

STANDARD/OPTIONAL	CHARACTERISTICS	FUNCTION CODE	SPECIFICATIONS
STANDARD	UHF	U8	R2000 module
	Label Protocol	/	EPC C1 GEN2 / ISO18000-6C
	Frequency	/	860Mhz – 960Mhz(Adjustable for different countries or regions)
	Reading Speed	/	>700Pcs/s
	Output Power	/	Adjustable from 5dBm to 33dBm, 1.0dBm each step
	Antenna Interface	A14	External antenna interface TNC*4
	Communication Interface	A	RS232+RJ45+USB
	Status Indicator	/	Battery, Running Status, Buzzer
	Power Supply	/	9~12V DC
	Protection	/	IP54

Order Example:

Communication Interface is RS232+RJ45+USB, 4 External antenna interface , should order like: **AUTOID UF3-U8A14A**

Seuic

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Website

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Address: No.15 Xinghuo Road, High-tech Development Zone, Nanjing

Official Website: www.chinaautoid.com

Service Mail: AUTOID@seuic.com   Free Hotline: 400-677-0876