

## INTEGRATED RFID READER F5006



F5006-H is a high-end medium distance integration UHF RFID reader and product. Its design is equipped with our UHF M2210 read-write module and 6dBi circularly polarized antenna, and the main chip is selected by the new generation of high-performance ARM-COTEXM3 processor. It has many communication equipment, watchdog, heartbeat and real-time monitoring of equipment status information and other functions, and integrated with RS232, USB and 100 MB Ethernet communication interface, the reading distance can reach 5 meters, read distance and performance of ultra high frequency reader the most stable products for similar products.

F5006-H is designed with aluminum + PC shell, which has waterproof, dustproof, anti-interference ability and lightning protection design on the circuit.

It supports ISO18000-6C two protocols. It has many advantages, such as compact and portable, multi interface, long distance, fast speed, high accuracy, strong anti-interference ability, excellent protection performance and convenient installation and operation.

### Product advantages

- It used ARM-COTEXM3 processor
- It has a high stability, 60 x 24 hours high temperature copying machine, continuous and stable operation. When the original network port is disconnected, it has a device buzzer alarm failure reminder function. At the same time, the light design has the function of scintillation alarm.
- Read distance more than 5 meters
- Read rate will be more than 400 pcs tag every second
- The design has a variety of communication interfaces. In any mode of work, the serial port and the network can receive data at the same time. If the 2 communication port links are normal, you can read the same label data at the same time. If the network is not connected successfully, the data can be transmitted through the serial port.
- The most comprehensive software development Suite (SDK) and interface, easy to integrate with RFID software
- It is an enhanced noise suppression function for reliable data capture.
- ABS engineering plastic box shell design, durable and durable .
- The overall waterproof and dustproof design, the protection grade is IP64 .

# Product Technical Parameters

NO	Name	Parameter
1	working voltage	DC +12V
2	working temperature	w-30 ~ +70°C
3	Working humidity	5%-95% RH non condensation
4	Storage temperature	-40 ~ +85°C
5	Label protocol	EPCglobal UHF Class 1 Gen 2 / ISO 18000-6C
6	Working frequency	840 ~ 960 MHz
7	Support the working area	China 1, China 2 US, Canada and other regions following U.S. FCC Europe and other regions following ETSI EN 302 208 with & without LBT regulations Japan Korea Malaysia Taiwan
8	output power	The software is adjustable, the step interval is 1.0dB, and the maximum can be up to +30dBm
9	Output power flatness	±0.2dBm
10	Reception sensitivity	-82dBm
11	RF port standing wave	≤1.5
12	Read distance	More than 5 meters (with the label type, transmission power and application environment)
13	Multi label reading	≥400tags/s
14	Interface communication rate	115200bps
15	Working temperature detection	Support
16	Dense reader mode DRM	Support
17	Antenna connection protection	Support
18	Return signal acceptance intensity RSSI	Support
19	Antenna type	6dBi Circular polarized antenna
20	Communication interface	RS232 (DB-9) and RJ45 (100 megabyte network interface) , USB
21	Buzzer	yes
22	Design	aluminum + PC
23	Appearance size	12.9.0*12.9.0*4.5CM
24	IP address	IP64
25	Weight	1.0Kgs