DESKTOP RFID READER F5002

F5002-H is a high end desktop UHF RFID reader/writer with USB interface, which is embedded the M2210 module and -1dBi ceramic antenna. Its reading range can be up to 0.5 meter.

F5002-H adopts plastic case, it is compact, small, portable and durable and suitable for desktop application for its rapid and precise reading/writing performance.

Product advantages

- Employed IMPINJR2000/9200 RF Chips, up to -82dbm receiving sensitivity and the highest performance in this field makes this module more suitable for harsh application environment.
- Low power consumption, brilliant performance.
- Provide the most comprehensive functions SDK and ports, easy to integrate RFID software.
- Adopted integrating RF chip, module performance is more stable, and more suitable for harsh application environment.
- The use of carrier wave cancellation technology makes the tags reading more accurate and reading scope wider.
- Enhanced noise suppression function for reliable data capturing.
- High precision return signal strength (RSSI).
- Excellent performance of anti-interference
- Plastic case, small and portable, rugged and durable.

Product Technical Parameters

NO.	Name	Parameters
1	Working Voltage	DC +12V
2	Working Temperature	-25 ~ +65℃
3	Working Humidity	≤95%（+25℃）
4	Storage Temperature	-40 ~ +80℃
5	Tag Protocol	EPCglobal UHF Class 1 Gen 2 / ISO 18000-6C
6	Working Frequency	840--960 MHz
7	Supporting Working Areas	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	Software adjustable, step interval 1.0dB, maximum +30dBm
9	Output Power Flatness	±0.2dBm
10	Receiving Sensitivity	-82dBm
11	RF Port Standing Wave	≤1.5
12	Reading Range	Maximum 0.5m (relate to tags type, transmitted power and application environment)
13	Writing Range	Maximum 0.2m (relate to tags type, transmitted power and application environment)
14	Interface Communication Rate	115200bps
15	Working Temperature Detection	Support
16	RSSI	Support
17	Antenna Type	-1dBi ceramic antenna
18	Communication Port	USB
19	Buzzer	Yes
20	LED	Red（power indicator） Green（status indicator）
21	Enclosure	plastic case
22	Size	12.0*12.0*3.0CM