UHF RFID Smart Glove Reader

Model IDTS-SIR3522 · Brand: Identium



A wearable UHF RFID reader built into a work glove that reads a tag automatically when the hand comes within 5–20 cm, so pickers and sorters log items without putting anything down.

KEY FEATURES

- **Ships with Identium ReaderSense — desktop configuration, tuning, QC testing and live tracking, with HTTP POST output to your own system**
- **Reads automatically when a tag comes within 5–20 cm; no trigger to press**
- **Impinj E310 reader chip, EPC Class 1 Gen 2 (ISO 18000-6C)**
- Bluetooth 4.0 BLE to iOS and Android 4.3+; Wi-Fi version SIR3523
- 1500 mAh battery: about 7 h working time, 9 h standby
- Glove sizes S, M and L; 80 g
- Host API for C, C#/.NET and Java

APPLICATIONS

Warehouse order picking | Parcel and item sorting | Factory line checks | Item-level inventory

SPECIFICATIONS

Frequency	865–868 MHz (ETSI / India); 902–928 MHz (FCC) and 920–925 MHz (China) versions
Protocol	EPC Class 1 Gen 2 (ISO 18000-6C)
Reader chip	Impinj E310
CPU	ARM Cortex-M4
Antenna	Built-in flexible antenna
RF output	5–20 dBm (±1 dBm), adjustable
Read range	5–20 cm
Read rate	≥ 200 tags/s
Interface	Bluetooth 4.0 BLE (SIR3522); Wi-Fi 802.11 b/g/n, AP or AP+STA, WEP/WPA-PSK/WPA2-PSK, TKIP/AES (SIR3523)
Wireless communication distance	10 m

Compatible with	iOS; Android 4.3 and above
Host API	C, C#/.NET, Java
Battery	1500 mAh rechargeable
Working time	About 7 h (50 ms read time, 200 ms interval); standby 9 h
Charging time	About 3 h
Indicators	Power, tag read, charging, low battery
Size	S, M, L
Dimensions	165 × 120 × 60 mm
Weight	80 g
Operating temperature	–5 to +45 °C
Storage temperature	–20 to +60 °C
Humidity	5–95% non-condensing (at 25 °C)