iDTRONIC

Mobile RFID

GLOVE C9 RED

PRODUCT DESCRIPTION

The powerful GLOVE C9 RED is a true revolution in rugged mobile RFID computing with an ergonomical design, ease-of-use and high performance. Based on the new generation Impinj E310 reader chip and capable of reading up to 200 tags per second, this wearable RFID device caters to the high standards of industry 4.0 and IoT applications in demanding environments.

Capable of capturing and extracting data in extrem and remote environments with its IP65 housing and a operating time of up to 7 hours, the iDTRONIC wearable computer is perfectly suitable for industrial and retail applications such as logistics, construction, inventory management and maintenance.

The Impinj-powered GLOVE C9 RED achieves a reading range of approx. 5 to 20 cm and supports the EPC GEN2 (ISO 18000-6C) tag standard for the RFID UHF frequency: 865 – 868 MHz / 920 – 925 MHz.

The GLOVE C9 RED from iDTRONIC offers connectivity wherever you need it. It features security via Bluetooth or WIFI networks and transfers the scanned data at high speeds to the connected system. Beside the hardware, the GLOVE C9 RED offers an extensive range of documentation, a configuration tool and warranty extensions that support your business applications in the best way possible.

APPLICATIONS

- Warehousing
- Logistics Applications
- Access Control
- Asset Tracking

FEATURES

- UHF Reader
- New Generation Impinj E310 IC
- 1500 mAh Li-Ion Battery
- Bluetooth | WiFi
- Reading Range: 5-20 cm
- Supports EPC GEN2 (ISO 18000-63)
- LED Indicator Lights
- Ergonomic Design
- Three Sizes (S,M,L)
- SDK Included

RFID OPTIONS

- UHF (EPC C1 GEN2 | ISO 18000-63)

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TECHNICAL DATA

ELECTRICAL SPECIFICATIONS

Battery	1500 mAh
Standby time	9 Hours
Working Time	7 Hours (Reading time 50 ms, reading interval 200 ms)
Charge Time	3 Hours
Chipset	Impinj E310
Antenna Connector	Built-in flexible antenna
Output Power	+5 - 20dBm adjustable in steps of 1dB
Indicator Light	LEDs - Power / Label Read / Charging / Low Battery
Bluetooth	Bluetooth 4.0 (BLE), system support: IOS, Android 4.3+
WLAN	Wireless Standard: 802.11 b/g/n Security Mechanism: WEP/WPA-PSK/WPA2-PSK Encryption Type: TKIP, AES Wireless Network Type: AP, AP+STA
Wireless Communication Distance	10 Meters
Reading Range	≥ 200 tags/s
Reading Range	5 - 20cm

MECHANICAL CONDITIONS

Dimensions	170 × 105 × 35 (S) 180 × 110 × 35 (M) 190 × 115 × 35 (L)
Weight	80 g
Size	Small, Medium, Large
CPU	ARM Cortex-M4

ENVIRONMENTAL CONDITIONS

Operating Temperature	-5 °C up to +45 °C
Storage Temperature	−20 °C to +60 °C
Humidity	5 % RH to 95 % RH (non-condensing)

SDK INFORMATION

SDK	Online available
Supported Languages	C, C#/.NET, Java

SUPPORTED STANDARDS / TAGS

ISO 18000-6C	Standard ISO 18000-63 (EPC Class 1 Generation 2) E.g.: Alien Higgs 2/3/4, Impinj Monza, NXP UCODE, etc.

ORDER CODES

VERSIONS	ORDER CODES
Bluetooth - L	
RFID GLOVE C9 RED - Bluetooth - L	R-HH-C9R-GLOVE-BT-L
Bluetooth - M	
RFID GLOVE C9 RED - Bluetooth - M	R-HH-C9R-GLOVE-BT-M
Bluetooth - S	
RFID GLOVE C9 RED - Bluetooth - S	R-HH-C9R-GLOVE-BT-S
WiFi - L	
RFID GLOVE C9 RED - WiFi - L	R-HH-C9R-GLOVE-WIFI-L
WiFi - M	
RFID GLOVE C9 RED - WiFi - M	R-HH-C9R-GLOVE-WIFI-M
WiFi - S	
RFID GLOVE C9 RED - WiFi - S	R-HH-C9R-GLOVE-WIFI-S

PRODUCT PICTURES