



## RFO WRx Micro Wearable BT UHF RFID Reader



### Product Description

#### Main Features

The RFO WRx Micro is a newly-developed wearable UHF reader that enables read distance of 9m. By adapting the wrist strap or arm strap, it can be attached to a mobile phone, tablet and other devices by magnetic attachment. It features removable battery, performs data transmission via Type C USB and enables user information / interaction via Bluetooth coordinated with an APP or SDK.

The optional glove gives the user all liberty to handle items with both hands. The integrated trigger allows fast and easy RFID reading.

It also can be paired with Android / IOS devices to expand RFID capability. This RFID reader can be suitable for warehousing, power inspection, asset management, retail, etc., which provides users with more flexibility to efficiently finish their tasks at hand.

#### Product pictures



<b>Article no:</b>	Standard	RFO WRx Micro
<b>Typical Applications</b>	<ul style="list-style-type: none"> <li>•Health Care</li> <li>•Asset management</li> <li>•Food</li> <li>•Transportation</li> </ul>	<ul style="list-style-type: none"> <li>•Service Maintenance &amp; Diagnostics</li> <li>•Automotive</li> <li>•Retail &amp; POS</li> <li>•Home Automation</li> </ul>

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Technical Specifications		RFO WRx Micro
<b>Physical Characteristics</b>		
Dimensions	50 x60 x18mm/1.97x2.36 x0.71in.	
Weight	64g /2.26 oz.(with glove: 90 g/3.17oz.)	
Port	Type C USB	
Power Supply	USB, Type-C	
LED Indicator	Red indicator will be ON when charging; Green indicator will be ON when device has been fully charged; Blue indicator will be ON when battery is higher than 20%; Blue indicator will flash when battery is lower than 20%; Bluetooth is not paired when bluetooth indicator is OFF; Bluetooth is paired when bluetooth indicator is ON	
Button	ON/OFF, SCAN	
Battery	1000 mAh (removable)	
Charging Current & Duration	5 V / 1.5 A & 1 hours	
<b>Developing Environment</b>		
SDK - Security	Android / IOS SDK Supported - RFID Encrypted Module (Reserve)	
MCU	Cortex-M3 @ 72Mhz	
<b>Communication</b>		
USB	USB connection to realize data transfer (Type C)	
Bluetooth	Bluetooth 5.0	
<b>RFID-Reader</b>		
Frequency	920-925 MHz / 902-928 MHz / 865-868 MHz	
Protocol	EPC C1 GEN2 / ISO18000-6C	
Output Power	1W (30dBm, support +5~+30dBm adjustable) 2W Optional (33dBm, for Latin America, etc.)	
Read Range (depending on Tag, Environment etc.)	> 80cm (open outdoors, Impinj MR6 tag)	
Fastest Read Rate	900+ tags/sec	
Antenna parameter	Linear Polarized Antenna	
Engine	CMQ	
<b>Environment</b>		
Operating Temperature	-20 °C to +50 °C	
Storage Temperature	-40 °C to +70 °C	
Dropping	1.2 m dropping on concrete	
Humidity	5%RH - 95%RH non condensing	
Sealing	IP 65	
<b>Accessories</b>		
<p>Glove with integrated <span style="border: 1px solid red; border-radius: 50%; padding: 2px;">Trigger button</span></p> 		