

DATA SHEET



AGX WRx Mini Wearable BT UHF RFID Reader

Product Description

Main Features

The AGX WRx Mini is a newly-developed wearable UHF reader that enables read distance of 9m. By adapting wrist strap or arm strap, it can be attached to 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 APP or SDK. And it also can be paired with Android/IOS device 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



Article no:	Standard	AGX WRx Mini
Typical Applications		
<ul style="list-style-type: none"> •Manufacturing •Security •Waste management •Logistics 	<ul style="list-style-type: none"> •Health Care •Asset management •Food •Transportation 	<ul style="list-style-type: none"> •Service Maintenance & Diagnostics •Automotive •Retail & POS •Home Automation

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Technical Specifications	AGX WRx Mini
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Physical Characteristics	
Dimensions	108 mm x 78 mm x 18 mm
Weight	200 g / 7.05 oz.
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	2000 mAh (removable)
Charging Current & Duration	5 V / 1.5 A & 2 hours

Developing Environment	
SDK - Security	Android / IOS SDK Supported - RFID Encrypted Module (Reserve)

Communication	
USB	USB connection to realize data transfer (Type C)
Bluetooth	Bluetooth 4.0

RFID-Reader	
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.)	> 9 m (open outdoors, Impinj MR6 tag)
Fastest Read Rate	900+ tags/sec
Antenna parameter	Circular Polarized Antenna (3dBic)
Engine	CM2000-1 module based on Impinj Indy R2000

Environment	
Operating Temperature	-20 °C to +50 °C
Storage Temperature	-40 °C to +70 °C
Humidity	5%RH - 95%RH non condensing
Dropping	1.2 m dropping on concrete

Accessories				
				
USB C-Cable	Magnetic Pad	Wrist Strap	Charging Cradle (up to 3 Slots)	Battery