



# URA8

## Fixed Android UHF Reader

Chainway URA8 is an 8-channel fixed RFID reader, based on Android 5.1. Integrated with Impinj R2000 RFID chip, it supports RS232, RJ45 and HDMI, and can be compatible with various types of antennas. With high stability and outstanding performance, URA8 can be ideally applied to warehouse management, archives and library management, bank, clothing and footwear retail, jewelry monitoring, watch industry, laundry, production line management, medical instrument cabinet and vending machines.



# Specification

## Physical Characteristics

<b>Dimensions</b>	160mm(L) x 100mm(W) x 24mm(H)
<b>Weight</b>	447g/15.77oz(without antenna)
<b>Material</b>	Aluminium alloy
<b>Input Voltage</b>	DC 8V – 36V
<b>Standby Current</b>	<30mA
<b>Work Current</b>	800mA +/-5% @ DC 12V Input
<b>Comm Interface</b>	1*RS-232 , 1*RJ45, 2*USB2.0 Type A, USB Host
<b>Display Interface</b>	HDMI Type A, support 720P
<b>GPIO</b>	2 channel input optical coupling, 2 channel output optical coupling
<b>Baud Rate</b>	115200 bps
<b>Cooling Mode</b>	Air cooling
<b>Power</b>	DC(12V) / POE ( IEEE 802.3at 25.5W )

## Performance

<b>CPU</b>	Qualcomm 1.3 GHz quad-core
<b>RAM+ROM</b>	1GB+8GB / 2GB+16GB

## Developing Environment

<b>Operating System</b>	Android 5.1
<b>SDK</b>	Chainway Software Development Kit
<b>Language</b>	Java
<b>Tool</b>	Eclipse/Android Studio

## Communication

<b>WLAN</b>	IEEE802.11 a/b/g/n, external antenna using SMA port
<b>WWAN(Europe)</b>	2G: GPRS (900/1800MHz)
	3G: WCDMA B1/B8
	4G: FDD-LTE: B1/B3/B7/B8/B20
<b>WWAN(America)</b>	2G: GPRS (850/1900MHz)
	3G: WCDMA B2/B5
	4G: FDD-LTE: B2/B4/B5/B7/B17

<b>WWAN(China)</b>	2G: GPRS (850/900/1800/1800MHz)
	3G: WCDMA: B1
	CDMA EVDD: EVDD Rev.A800MHz
	TD-SCDMA: B34/B39
	4G: TDD-LTE: B38/B39/B40/B41
	FDD-LTE: B1/B3

External antenna using SMA port

## User Environment

<b>Operating Temp.</b>	-25 °C to 65 °C
<b>Storage Temp.</b>	-40 °C to 85 °C
<b>Humidity</b>	10%- 95%

## UHF

<b>Engine</b>	CM2000-8 module based on Impinj Indy R2000
<b>Protocol</b>	EPC C1 GEN2 / ISO18000-6C
<b>Frequency</b>	865-868MHz/920-925MHz/902-928MHz
<b>Output Power</b>	1W (30dBm, support +5~+30dBm adjustable)
<b>Output Power Precision</b>	+/- 1dB
<b>Output Power Flatness</b>	+/- 0.2dB
<b>Receive Sensitivity</b>	< -88dBm
<b>Reading Rate</b>	>700 tags/s
<b>RSSI</b>	Supported
<b>Ambient Temp Monitor</b>	Supported
<b>Antenna Detector</b>	Supported
<b>Antenna</b>	Supporting a variety of antennas, such as 6dBic, 9dBic
<b>Antenna Port</b>	8 channel 50Ω SMA port

Notice: Product specifications are subject to change without prior notice. / Model: URA8 / Update Date: 2019-04-18

**CHAINWAY®**

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