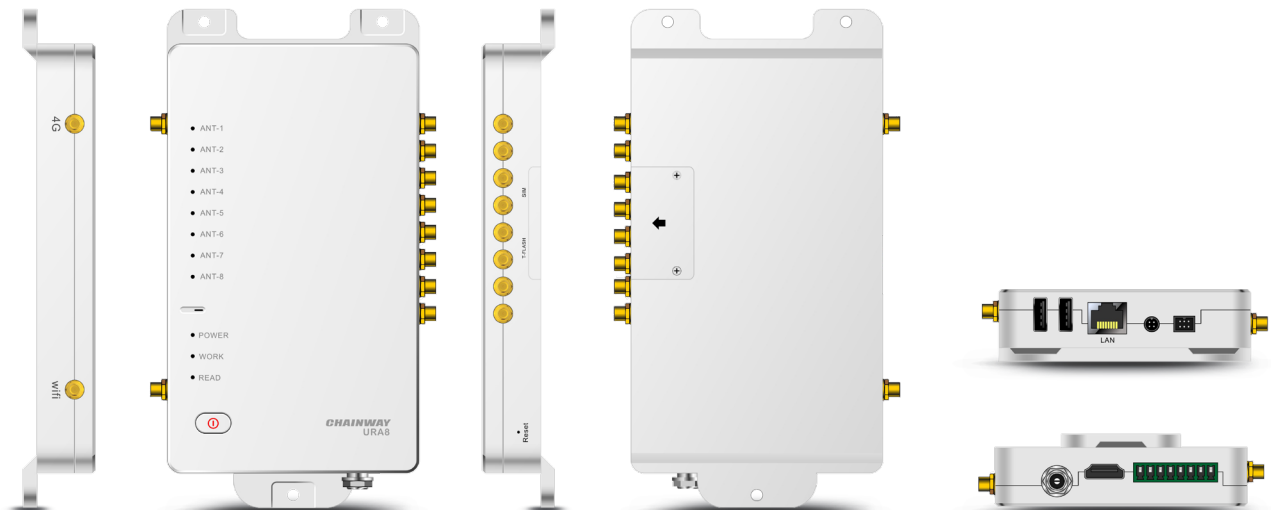




# URA8

## Fixed Android RFID Reader

Chainway URA8 is an 8-channel fixed RFID reader, based on Android 9.0. 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>	162mm(L) x 95mm(W) x 22mm(H)
<b>Weight</b>	448g / 15.80 oz. (without antenna)
<b>Material</b>	Aluminium alloy
<b>Input Voltage</b>	DC 10V – 24V
<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(802.3af 13W), POE+(802.3at 25.5W)

## Performance

<b>CPU</b>	Qualcomm 1.8 GHz Octa-core
<b>RAM+ROM</b>	2 GB + 16 GB / 3 GB + 32 GB / 4 GB + 64 GB

## Developing Environment

<b>Operating System</b>	Android 9.0
<b>SDK</b>	Chainway Software Development Kit
<b>Language</b>	Java
<b>Tool</b>	Eclipse/Android Studio

## Communication

<b>Ethernet interface</b>	10/100 Base-T Ethernet (RJ45)
<b>WLAN</b>	Support 802.11 a/b/g/n/ac/d/e/h/i/k/r/v, 2.4G/5G dual-band, IPV4, IPV6; Fast roaming: PMKID caching, 802.11r, OKC; Operating Channels: 2.4G(channel 1~13), 5G(channel 36,40,44,48,52,56,60,64,100,104,108,112,116,120,124,128,132,136,140,149,153,157,161,165), Depends on local regulations; Security and Encryption: WEP,WPA/WPA2-PSK(TKIP and AES),WAPI-PSK—EAP-TTLS,EAP-TLS, PEAP-MSCHAPv2, PEAP-LTS,PEAP-GTC,etc.

<b>WWAN (Europe, Asia)</b>	2G: B3/B5/B8 3G: CDMA EVDO: BC0 TD-SCDMA: B34/B39 WCDMA: B1/B5/B8 4G: TDD-LTE: B38/B39/B40/B41 FDD-LTE: B1/B3/B5/B7/B8/B20
<b>WWAN(America)</b>	3G: B2/B4/B5 4G: B2/B4/B5/B7/B12/B13/B17/B28b

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 global UHF Class 1 Gen 2 / ISO 18000-63
<b>Frequency</b>	865-868MHz/920-925MHz/902-928MHz
<b>Output Power</b>	1W (30dBm, support +5~+30dBm adjustable, POE/DC power) 2W Optional (33dBm, support +10~+33dBm adjustable, POE+/DC power, for Latin America, etc.)
<b>Output Power Precision</b>	+/- 1dB
<b>Output Power Flatness</b>	+/- 0.2dB
<b>Receive Sensitivity</b>	< -84dBm
<b>Fastest Read Rate</b>	900+ tags/sec
<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: 2020-06-16

**CHAINWAY®**

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