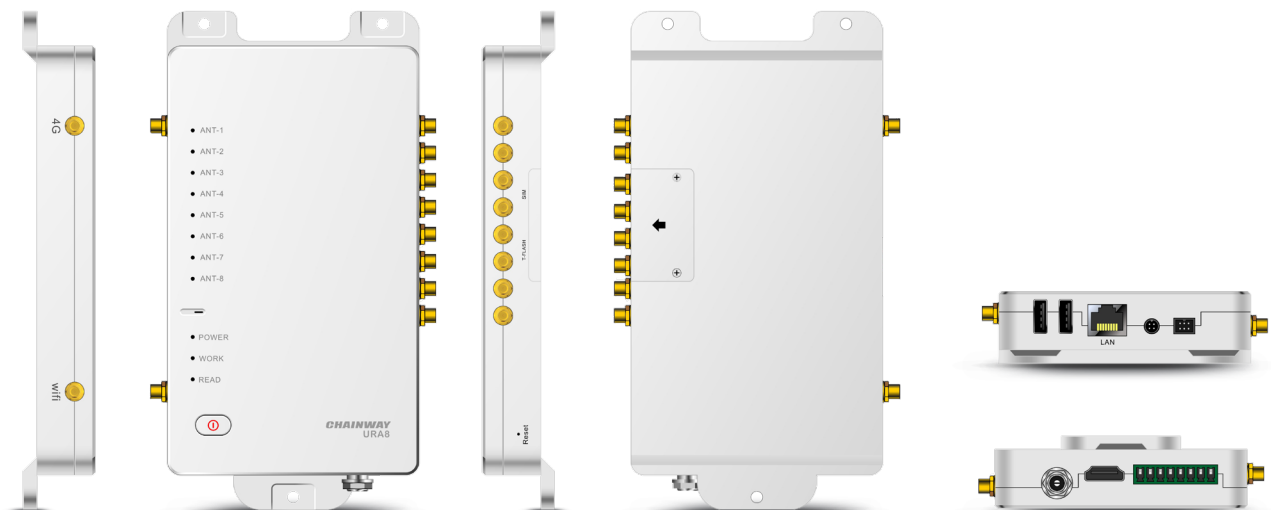




URA8

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

Dimensions	162mm(L) x 95mm(W) x 22mm(H)
Weight	448g/15.80oz(without antenna)
Material	Aluminium alloy
Input Voltage	DC 8V – 36V
Standby Current	<30mA
Work Current	800mA +/-5% @ DC 12V Input
Comm Interface	1*RS-232 , 1*RJ45, 2*USB2.0 Type A, USB Host
Display Interface	HDMI Type A, support 720P
GPIO	2 channel input optical coupling, 2 channel output optical coupling
Baud Rate	115200 bps
Cooling Mode	Air cooling
Power	DC(12V) / POE (IEEE 802.3at 25.5W)

Performance

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

Developing Environment

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

Communication

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

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

External antenna using SMA port

User Environment

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

UHF

Engine	CM2000-8 module based on Impinj Indy R2000
Protocol	EPC C1 GEN2 / ISO18000-6C
Frequency	865-868MHz/920-925MHz/902-928MHz
Output Power	1W (30dBm, support +5~+30dBm adjustable)
	2W Optional (33dBm, for Lati America, etc.)
Output Power Precision	+/- 1dB
Output Power Flatness	+/- 0.2dB
Receive Sensitivity	< -88dBm
Reading Rate	>700 tags/s
RSSI	Supported
Ambient Temp Monitor	Supported
Antenna Detector	Supported
Antenna	Supporting a variety of antennas, such as 6dBic, 9dBic
Antenna Port	8 channel 50Ω SMA port

Notice: Product specifications are subject to change without prior notice. / Model: URA8 / Update Date: 2019-10-16

CHAINWAY®

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