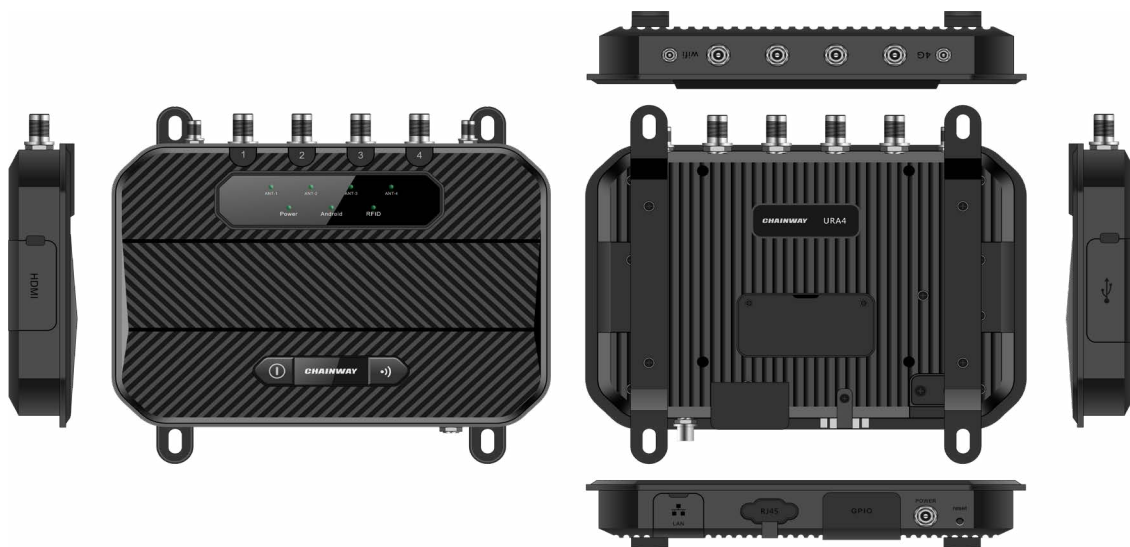




# URA4

Fixed Android RFID Reader

Chainway URA4 is a 4-channel fixed RFID reader, based on Android 13 Integrated with Impinj E Series chips. With the added support of Impinj Gen2X, it delivers superior UHF performance. The reader supports RS232, RJ45 and HDMI, and can be compatible with various types of antennas. With high stability and outstanding performance, URA4 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>	214 (L) x 148 (W) x 30 (H) mm
<b>Weight</b>	1000g / 35.27 oz. (without antenna)
<b>Material</b>	Aluminium alloy
<b>Input Voltage</b>	DC 10V – 24V
<b>Standby Current</b>	< 30mA
<b>Work Current</b>	1300mA +/-5% @ DC 12V Input
<b>Expansion Slot</b>	1 slot for Nano SIM card, 1 slot for TF card
<b>Comm Interface</b>	1*RS-232 , 1*RJ45, 3*USB2.0 Type A, 1*Type C, USB Host
<b>Display Interface</b>	HDMI Type A, support 720P
<b>GPIO</b>	4 Input Optical-couplings, 4 Output Optical-couplings, isolation
<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>	Octa-core 2.0 GHz
<b>RAM+ROM</b>	3GB + 32GB

## Developing Environment

<b>Operating System</b>	Android 13
<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) Default</b>	2G: GSM/EDGE (MHz): 850/900/1800/1900 3G: WCDMA: B1/B2/B4/B5/B8 4G: TDD-LTE: B38/B40/B41 FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B20/B28
<b>WWAN(America)</b>	4G: TDD-LTE: B41 FDD-LTE: B2/B4/B5/B7/B12/B13/B14/B17/B25/B26/B66/B71
<b>Bluetooth</b>	5.1

## User Environment

<b>Operating Temp.</b>	-25 °C to 55 °C
<b>Storage Temp.</b>	-40 °C to 85 °C
<b>Humidity</b>	5% - 95%

## UHF

<b>Engine</b>	Based on Impinj E Series chips
<b>Impinj Gen2X</b>	Supported
<b>Protocol</b>	EPC global UHF Class 1 Gen 2 / ISO 18000-6C
<b>Frequency</b>	865-868 MHz / 920-925 MHz / 902-928 MHz
<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>	1300+ 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>	4 channel 50Ω TNC port