



# UR4

## Fixed UHF Reader

Chainway UR4 is a high-performance four-channel fixed UHF reader. The core module adopts the Impinj E710 chip. With the high stability, excellent anti-electromagnetic interference capability, and better heat dissipation performance, the device fulfills the requirements for installation in various indoor & outdoor environments in diverse industries with strict RFID application standards such as 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>	102.8 mm(L) x 102.8 mm(W) x 28 mm(H)
<b>Weight</b>	329 g / 11.6 oz. (without antenna)
<b>Material</b>	Aluminium alloy
<b>Input Voltage</b>	DC 9V – 12V
<b>Standby Current</b>	< 30mA
<b>Work Current</b>	800mA +/-5% @ DC 12V Input
<b>Comm Interface</b>	RS-232 / RJ45
<b>GPIO</b>	2 channel input optical coupling, 1 channel output electric relay, 1 channel output optical coupling (in reserve)
<b>Baud Rate</b>	115200 bps
<b>Cooling Mode</b>	Air cooling
<b>Ethernet interface</b>	10/100 Base-T Ethernet (RJ45)
<b>Power</b>	POE (802.3af 13W) (Optional) POE+ (802.3at 25.5W) (Optional)

## User Environment

<b>Operating Temp.</b>	-13°F to 149°F / -25 °C to 65 °C
<b>Storage Temp.</b>	-40°F to 185°F / -40 °C to 85 °C
<b>Humidity</b>	10%- 95%

## Developing Environment

<b>SDK</b>	Windows, Linux, Android
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## UHF

<b>Engine</b>	CM710-4 module based on Impinj E710
<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) 2W Optional (33dBm, support +10~+33dBm adjustable, 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>	4 channel 50Ω SMA port

Notice: Product specifications are subject to change without prior notice. / Model: UR4 / Update Date: 2024-09-14

**CHAINWAY**<sup>®</sup>

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