



## UR4

### Fixed UHF Reader

Chainway UR4 is a high-performance four-channel fixed UHF reader. The core chip adopts Impinj R2000 module with high integration and excellent performance. With stable and reliable capacity, excellent anti-electromagnetic interference capability and heat dissipation performance, it meets the requirements for installation and application of various indoor and outdoor environments and can be applied in multiple industries with strict RFID application standard 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>	102.8mm(L) x 102.8mm(W) x 28mm(H)
<b>Weight</b>	329g/11.6oz(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

## 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>	CM2000-4 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) 2W Optional (33dBm, for Latin America, etc.)
<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>	4 channel 50Ω SMA port

Notice: Product specifications are subject to change without prior notice. / Model: UR4 / Update Date: 2020-01-16

**CHAINWAY®**

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