



# UR8

## Fixed UHF Reader

Chainway UR8 is a high-performance four-channel fixed UHF reader. Based on Impinj E Series chips, With the high stability, excellent anti-electromagnetic interference capability, and better heat dissipation performance, the device fulfill 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	
Dimensions	102.8 mm(L) x 102.8 mm(W) x 34.2 mm(H)
Weight	450 g / 15.87 oz. (without antenna)
Material	Aluminium alloy
Input Voltage	DC 9V – 12V
Standby Current	< 30mA
Work Current	800mA +/-5% @ DC 12V Input
Comm Interface	RS-232 / RJ45
Baud Rate	115200 bps
Cooling Mode	Air cooling
Ethernet interface	10/100 Base-T Ethernet (RJ45)
User Environment	
Operating Temp.	-13°F to 149°F / -25 °C to 65 °C
Storage Temp.	-40°F to 185°F / -40 °C to 85 °C
Humidity	5% RH to 95% RH (non condensing)

UHF	
Engine	Based on Impinj E Series chips
Protocol	EPC global UHF Class 1 Gen 2 / ISO 18000-6C
Frequency	865-868 MHz / 920-925 MHz / 902-928 MHz
Output Power	1W (30dBm, support +5~+30dBm adjustable)
	2W Optional (33dBm, support +10~+33dBm adjustable)
Output Power Precision	+/- 1dB
Output Power Flatness	+/- 0.2dB
Receive Sensitivity	< -78dBm
Fastest Read Rate	550+ tags/sec
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: UR8 / Update Date: 2025-09-15

**CHAINWAY®**

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