



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		UHF	
Dimensions	102.8 mm(L) x 102.8 mm(W) x 34.2 mm(H)	Engine	Based on Impinj E Series chips
Weight	450 g / 15.87 oz. (without antenna)	Protocol	EPC global UHF Class 1 Gen 2 / ISO 18000-6C
Material	Aluminium alloy	Frequency	865-868 MHz / 920-925 MHz / 902-928 MHz
Input Voltage	DC 9V – 12V	Output Power	1W (30dBm, support +5~+30dBm adjustable) 2W Optional (33dBm, support +10~+33dBm adjustable)
Standby Current	< 30mA	Output Power Precision	+/- 1dB
Work Current	800mA +/-5% @ DC 12V Input	Output Power Flatness	+/- 0.2dB
Comm Interface	RS-232 / RJ45	Receive Sensitivity	< -78dBm
Baud Rate	115200 bps	Fastest Read Rate	550+ tags/sec
Cooling Mode	Air cooling	RSSI	Supported
Ethernet interface	10/100 Base-T Ethernet (RJ45)	Ambient Temp Monitor	Supported
User Environment		Antenna Detector	Supported
Operating Temp.	-13°F to 149°F / -25 °C to 65 °C	Antenna	Supporting a variety of antennas, such as 6dBi, 9dBi
Storage Temp.	-40°F to 185°F / -40 °C to 85 °C	Antenna Port	8 channel 50Ω SMA port
Humidity	5% RH to 95% RH (non condensing)		

Notice: Product specifications are subject to change without prior notice. / Model: UR8 / Update Date: 2025-09-15

CHAINWAY®

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