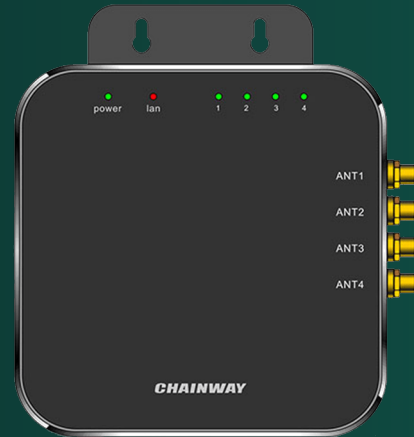


UHF | RAIN - RFID Reader Chainway - UR4

- RAIN RFID (UHF EPC Class1 Gen2, ISO 18000-63) compliant
- Up to 30 dBm (1 W) output power
- 4 SMA antenna ports
- RS232 & Ethernet
- Low power consumption



UHF | RAIN - RFID Reader 4-Channel Reader

Chainway's UR4 is a self-developed four-port fixed UHF | RAIN - RFID reader, configured with Impinj E710 RFID chip and supports the Impinj Gen2X.

It supports RS232 and RJ45, and can be compatible with various types of antennas. It is resistant to electromagnetic interference and good at heat dispersion. With high integration level and stable capacity, the RFID reader can be deployed in complex environments, such as warehousing, archives and library management, banking, shoes and apparel, jewelry, watch, laundry, production line, medical equipment cabinets, vending machine.

Common Applications

- Gate / Portal Applications
- Multi Read Point Applications
- Scan Tunnel Applications
- Access Management
- Overhead Read Points



TECHNICAL SPECIFICATIONS

Physical Characteristics

Dimensions	102.8 mm(L) x 102.8 mm(W) x 28 mm(H)
Weight	329 g / 11.6 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
GPIO	2 channel input optical coupling, 1 channel output electric relay, 1 channel output optical coupling (in reserve)
Baud Rate	115200 bps
Cooling Mode	Air cooling
Ethernet interface	10/100 Base-T Ethernet (RJ45)
Power	POE (802.3af 13W) (Optional) POE+ (802.3at 25.5W) (Optional)

User Environment

Operating Temp.	-25 °C to 65 °C
Storage Temp.	-40 °C to 85 °C
Humidity	10%- 95%

Drivers & Support

SDK	Windows, Linux, Android
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UHF

Engine	CM710-4 module based on Impinj E710
Impinj Gen2X	Supported
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 for Latin America, etc.)
Output Power Precision	+/- 1dB
Output Power Flatness	+/- 0.2dB
Receive Sensitivity	< -84dBm
Fastest Read Rate	900+ tags/sec
RSSI	Supported
Ambient Temp Monitor	Supported
Antenna Detector	Supported
Antenna	Supporting a variety of antennas, such as 6dBic or 9dBic
Antenna Port	4 channel 50Ω SMA port

Part No. / Model

	Chainway UR4
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