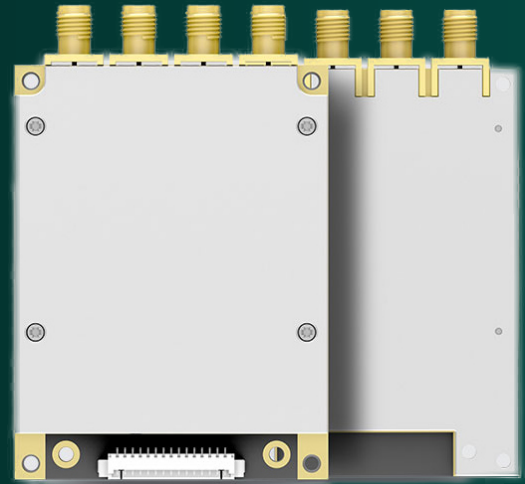


UHF | RAIN - Reader Module **CHAINWAY - CM710-4**

- EPCglobal Gen2 (ISO18000-6C)
- Based on Impinj E710 chipset
- Adjustable RF output power up to 30 dBm
- UART host communication (3.3V TTL)
- Low power consumption



UHF | RAIN - Reader Module 4-port UHF RFID module for OEM integration

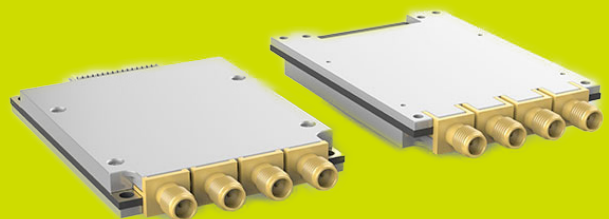
The Chainway CM710-4 is a compact, high-performance 4-port UHF RFID module designed for integration into fixed RFID readers. Powered by the Impinj E710 chipset with Gen2X support, the module delivers reliable multi-antenna UHF performance for demanding RFID applications.

Its low power consumption, stable RF output and efficient heat dissipation make the CM710-4 suitable for continuous operation in industrial environments. With adjustable output power, high receive sensitivity and UART-based host communication, the module enables flexible and scalable RFID system designs for logistics, warehousing and production environments.

Common Applications

- Embedded RFID terminals
- Warehouse and logistics solutions
- Apparel and retail inventory systems
- Production line automation
- Mobile RFID readers

CHAINWAY



TECHNICAL SPECIFICATIONS

Physical Characteristics

Dimensions	77.2 mm x 51.0 mm x 8.9 mm
Weight	52.0 g / 1.83 oz.

RFID Features

RF Chip	Impinj E710
Impinj Gen2X	Supported
Air Interface Protocol	EPCglobal Gen2 (ISO18000-6C)
Working Frequency	865-868 / 920-925 / 902-928 MHz (custom-design for frequency band)
Output Power	5-30dBm adjustable; 1dB step interval; +/- 1dB precision
Output Power Flatness	+/- 0.2dB
Antenna Interface	4-channel 50Ω RF connector SMA receptacle
Regions Supported	FCC 902-928 MHz; ETSI 865.6-867.6 MHz; China 920-925MHz; Others for customization (865-868, 902-928MHz)
Receive Sensitivity	< -86 dBm
Tag RSSI	Supported
Antenna Detector	Supported
Ambient Temp Monitor	Supported
Working Mode	Single/DRM

Communication Interface

Connector	15 PIN W-TO-B Connector
Host Communication	UART 3.3V TTL Level Baud Rate: 115200bps

Power Supply

Input Voltage	DC 3.5-5.25V
Power Consumption in RF Output Mode	7.5 W
Power Consumption in Standby (EN high TTL level)	0.175 W
Power Consumption in Power Down (EN low TTL level)	42.5 μW

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	10% - 95%

Reading Performance

Fastest Read Rate	950+ tags/s
Reading Range	Up to 34m (with 6dBi antenna & M750 tag)

Model

4-Ports RFID Module	CM710-4
Development Board Module	CM-X_EDCB