



Ci-RF947 Compact Rugged Integrated UHF RFID Reader



Ci-RF947 Integrated Rugged UHF RFID reader provides high performance uhf RFID Reading in tough and rugged environment, it's based on Impinj Indy R2000 RFID chip, compact in size but big in reading distance. The reader is highly resistant to water and dust, IP67 rating suitable for tough environment.

APPLICATIONS

- Vehicle Management
- Production Line Management
- Assets Tracking
- Warehouse Management

FEATURES

- UHF Frequency Band, Support 866-868Mhz CE, 902-928Mhz FCC, Other Frequency Band Customizable
- All-in-One Mini Size Design, Build-in 6dBi Circular Polarization Antenna



- Support RS232, Ethernet, RS485, GPIO
- Self-Developed R2000 Chip Module, Reading Range 4m Adjustable
- Lightning and Surge Protection Design, Low/ High Temperature Tolerance (-30°C ~ 70°C), IP67rating, Suitable for Tough Environment
- Support Online Upgrading

PARAMETERS

Operating Frequency	866-868Mhz EU, 902-928Mhz FCC, 920-925Mhz China, Other frequency band customizable
Working Protocol	EPC C1 GEN2 (ISO18000-6C)
Working Mode	FHSS/Fixed frequency
Rf Output Power	15dBm ~ 33dBm (@1dBm per step)
Antenna Gain	6dBi, circular polarization
Antenna Half Power Angel	Horizontal: 106° / Vertical: 106°
Communication Interface	RJ45 (Ethernet), RS232, RS485
Gpio	2 channel relay output, 1 channel photoelectric isolation input
Reading Distance	0~4m (depends on antenna and tag as well)
Material	ABS+PC / Aluminum alloy
Operating Temperature	-30°C ~ +70°C
Storage Temperature	-40°C ~ +85°C
Humidity	5% ~ 95% (non-condensing)
Waterproof	IP67
Writing Distance	0~2m
Reading Speed	300 pcs/s
Working Voltage	DC 12V-24V /3A
Dimensions	133 * 133 * 52 mm
Weight	1kg