



Long Distance UHF RFID Reader - LRR S1

Ultra-High Frequency RAIN RFID Reader



Overview

- (1) Integrate the antenna and the reader into one unit , small in size, with , IP67 protection grade, suitable for harsh environments
- (2) Impinj Indy RAIN RFID reader chips set - Indy R2000 module VM-61
- (3) Fully support electronic tags that comply with EPC global UHF ISO-18000-6C (EPC G2), ISO-18000-6B standards
- (4) Working frequency, American standard 902-928MHZ or European standard 865-868MHZ (frequency can be customized and adjusted according to different countries
- (5) Support RS232, RS485, Wiegand26/34, TCP/IP or wireless communication, etc.
- (6) The output power can be adjusted up to 30dbm, and it supports automatic, command and trigger working modes
- (7) Data reporting mode, support cache, timing, real-time mode
- (8) Suitable for applications: RFID systems such as logistics, access control systems, automatic parking management, and production program control



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Specification

Performance	Parameter
Dimension	260 L x 260 W x 65 H (mm)
Chip	Indy R2000 module VM-61
Frequency Range	American standard 902-928MHZ/European standard 865-868MHZ (can be customized and adjusted according to different countries or regions)
Reading distance	9dbi antenna configuration, typical reading distance 3~15 meters (subject to tag performance)
Interface Protocol	EPCglobal UHF ISO-18000-6C (EPC G2), ISO-18000-6B
Antenna polarization	right hand circular polarization
Half Power Lobe Width	Horizontal plane: 65 Vertical face: 60
FM mode	Broad-spectrum frequency modulation (FHSS) or fixed frequency, can be set by software
RF output	30dBm adjustable; 50 ohm load
Communication interface	RS232, RS485, Wiegand26/34, TCP/IP or wireless communication (optional)
Communication rate	Serial port rate 9600~115200bps, RJ45 is 10Mbps
GP I/O interface	I/O interface (12 pins + 4 pins)
Power consumption	Average power consumption<10W
API	Provide API development kit and VC, VB, Java application routines

Mechanical & Electrical Properties	Parameter
Power supply	Equipped with 220V AC input, +12V/3A DC output power converter
Instruction	Panel configuration working status LED indicator
Antenna Cover material	ABS engineering plastic
Colour	White / Grey
Weight	3Kg
Installation	pole installation
Support rod diameter	35 50 mm
humidity	5% to 95%, non-condensing
Protection rating	IEC IP65
Operating Temperture	-20°C to +60°C
lightning protection	DC ground
Interface	IP67 waterproof quick connector