Building sustainable future

Introduction

A Vehicle Mounted Reader is a RFID reader that has radio frequency transmitter and receiver to read and write information of a RFID tag. RFID Readers can be pole mounted or vehicle mounted as per requirement. RFID devices use electromagnetic fields to automatically identify and track compatible RFID tags. The tags contain unique electronically stored information, which is read by the readers. RFID Readers are based on PR9200 chip, supporting ISO 18000-6C protocol, middle range RFID reading, fast identification, excellent multi-tag reading, strong anti-collision, IP 66 rugged. It supports fast tag read/write operation with high identification rate. Widely used for fixed asset management, logistic, warehouse inventory, product tracking, vehicle management, production automation and so on.

Uses

- Asset Monitoring
- Vehicle Tracking
- Parking Management
- Logistics
- Warehouse

Features

- Imping Indy R2000 chipset / Phychips PR9200 offer different cost performances
- Aluminum casting / waterproof housing applies to all-weather industrial scenarios
- Various communication / software interfaces help faster application of the system
- Different developing languages SDK meet different developer needs
- Excellent communication protocol architecture supports faster data processing algorithm
- Integrated design supports better deploy /installation / engineering / wiring
- Special application projects customized interfaces / data transferring prolongable
- Seamlessly compatible with RFID middleware for rapid implementation of large projects
- Widely used in E-parking, garbage truck, feeding vehicle, AGV, access control, and so on

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Technical Specifications:

S#	Parameter	Value
A	**General**	
1	Air Protocol	ISO / IEC18000-6B, 6C / EPC C1Gen2
2	Chipset	IMPINJ Indy R2000
3	Frequency	Support a Variety of Frequency bands (433/470/780/868/915 MHz)
4	Output Power	0 dBm-30 dBm
5	Reading Range	0-15 m (According to Tag & Environment)
6	Channel Bandwidth	＜200 KHz
7	Anti-collision	RSSI / multi-tag / intensive inventory supportable
8	Work Mode	Fixed / hop frequency optional
9	Antenna	9 dBi Built-in circular polarization
10	Phychips	PR 9200
B	**Hardware, OS and Firmware**	
1	Processor	ARM 9, 400 MHz
2	Memory	Flash 128 MB; DRAM 32 MB
3	Operating System	Linux 2.6
4	Firmware Upgrade Method	Demo software / Telnet
C	**Programming Functions**	
1	Function	Automatic reading/ White list
2	Data Mode	Breakpoint Resume / Match reading / Data filter
3	Format	Data format customizable (PLC / Modbus compatible)

4	Service	RF Micron / EM Temperature sensor custom Services
D	**Physical**	
1	Dimensions	290 mm (L) * 290 mm (W) * 55 mm (H)
2	Weight	1.6 Kg
3	Housing Material	Aluminum plate /ABS cover
E	**Connectivity**	
1	Communications	Rj45, RS-232, RS-485,Wiegand
2	General Purpose I/O	1 input, 1 pair 5V output or wiegand output
3	Power Supply	DC 24 V/2.5A (DC 9V ~ 30 V,60 W)
F	**Environmental**	
1	Operating Temperature	-20°C to +70°C
2	Storage Temperature	-40°C to +85°C
3	Humidity	5% – 95% Non-condensing (+25℃)
4	Sealing	IP 66
G	**Certification**	
1	Product Certification	CE, RoHS