

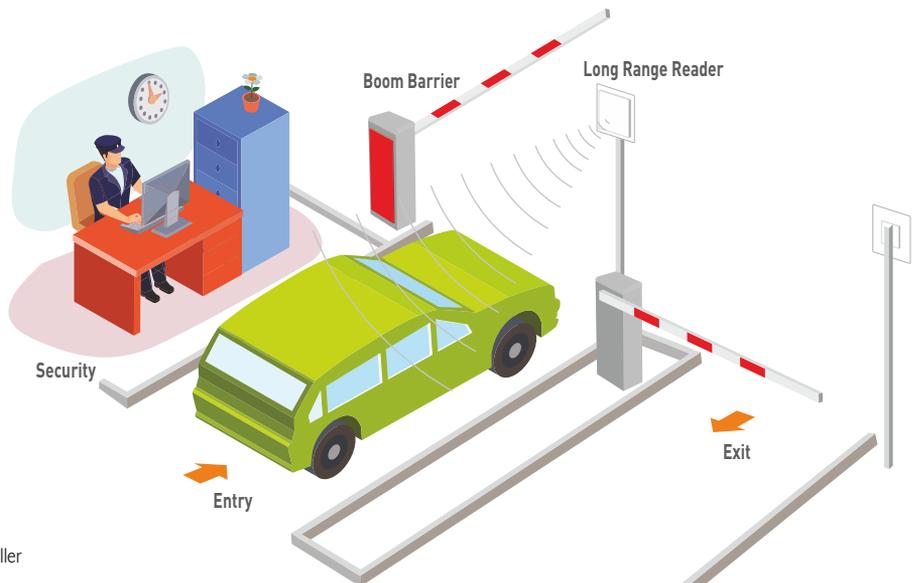
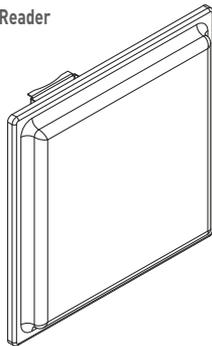


Introduction

SLRR865 Solus Long Range Reader is based on UHF (Ultra High Frequency) identification technology. The unit has an inbuilt Antenna and Controller. This advanced technology provides a complete solution for vehicle tracking systems offering several advantages over traditional low frequency (125Khz) long-range proximity card systems.

The unit is protected against the elements by a weather resistant enclosure. The self-contained combination of reader, controller and antenna unit is intended as a single read point in a pedestal, pole, wall or ceiling mounted configuration. The integrated reader provides an economical solution for automatic identification and Vehicle access control & Parking applications.

Long Range Reader



Key Features and Benefits

- Frequency Range : 865 to 928 MHz
- Read Range : Up to 10 Mtr
- Antenna : Has in built antenna and controller
- Supported Tag : Any Standard Gen2 tag

Part Number	Product Description
SLRR 865 8M	Solus Long Range Reader 865 MHz upto 8M,
CPK - SC 01	Smart Card / RFID Tag Personalization Kit – Software with USB



Ordering Information

Technical Specifications

Communication mode	Ethernet / Serial communication (EIA standard RS 232 C / RS 485)
RF Power maximum	1 W – transmitted & 4 W – EIRP (Equivalent Isotropically Radiated Power)
Antenna polarizing	Circularly Polarized With Transceiver mounted typically at a height of 6m above the road surface, the coverage of the antenna covers a minimum diameter range of 0 - 5 meters.
Antenna	Mounted near the entry / exit points to cover the range for all vehicles entering / exiting the designated points, tamper active
Data format	Configurable 26 to 34-bit (Wiegand); future support for higher Wiegand
External inputs	Four
External outputs	Four
Ethernet compatibility	Optional
Translation table	Yes
Tag buffering	Yes
Stand alone operation	Optional
Visual Diagnostics	The Transceiver has LED indicators for sense, transmit Fault and Power which will be visible clearly to the operator on ground while the system is operational
Enclosure	Light weight enclosure for the RFID transceiver and circularly polarized antenna
Power supply	85 to 264 VAC, 600mA
Protocol	EPC Class 1 Gen2 (ISO18000-6C), ISO18000-6B
Power Output	0-30dBm(adjustable)
Antenna Built-in	2.5dBm
Interface	TCP/IP, USB
Read Range	0-300 mm
Write Range	0-100 mm
Activity Mode	Buzzer and Led
Input Power	DC 6v (Power Adapter) or powered by USB
Dimension	160mm x 110mm x 40mm
Environmental	Ip65
Regulatory Compliant with CE,FCC	
Air Interface	Capability to optimize read rates for the vehicle identification application
Adaptive Noise Features	Adapt to instantaneous noise and interference level
Application capability	Read reliability exceeding 99.5% in the distance range Diagnostic and Reporting Tools
Upgradeability	Upgradable to support future protocols
Transaction Capability	Reading of Tag & EPC memory for at least 2 Tags per second for a moving vehicle with a speed range of 0 - 40 kilometers / hour
Driver Software	The transceiver driver software shall be provided along with the transceiver that will interface to the client through socket interface and handle the communication with client. The packet structures shall be as notified in the client-transceiverinterface. The driver software shall implement filtering using a range of EPC-codes provided byset of bit pattern masks

Operating Environment :

Temperature	-20°C to 70°C
Storage Temperature	-40°C to 85°C
Humidity	90% non-condensing
Dimension	45 x3.5 x 45 cm (H x W x D)
Weight	4 Kg
Packing	Weather proof integrated antenna enclosure
Mounting	Pedestal, Pole, Wall or ceiling mounted

Applications : SLRR 865 follows the industry standard for performance, reliability, flexibility and cost effectiveness. It is designed and manufactured keeping in focus the following applications :

1. Asset Tracking System
2. Parking Management System
3. Vehicle Management System
4. Access Control & Attendance Management System
5. Guard Tour System
6. Any type of UHF based tracking system

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