SENSOR ID SRL
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Discovery Gate Light

Fixed RFID reader for IoT applications

APPLICATION

Easy to install and manage via Linux systems, the Discovery Gate Light fixed RFID reader is excellent for **IoT applications**, particularly:

- vehicle access control;
- number plate control;
- car fleet control;
- production monitoring or industrial automation;
- automated warehouse management in logistics.

PRODUCT OVERVIEW

The Discovery Gate Light fixed RFID reader is a high power UHF device designed with **an external and an internal LED** for IoT applications.

It features a customisable interface, and easily connects to a Linux operating system, which makes it ideal for IoT applications.

With **2 inputs and 2 outputs** as well as **WiFi, Ethernet and GPRS**, it presents r**emarkable read/write sensitivity** with passive UHF tags, and covers a range of up to 10 metres.

Sensor iD
Smart IoT Solutions

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SPECIFICATIONS

Operating Frequency UE	865.7–867.5	IP grade	64
Operating Frequency US	902.75–927.25	Dimensions	400 x 400 x 80 mm
Standard protocol	ISO 18000 – 6 A/B/C, EPC Class 1 Gen 2	Input/ output	2
Connectivity protocol	RS232/ RS485/ Ethernet 10/100/ WiFi IEEE82.11b/g/ USB	User interface	Buzzer, external and internal LED, customisable interface
RF Power	2W (33dBm) EIRP [Attenuation configurable via software]		
Antenna type	Integrated circular polarisation with 8dBi Gain 60° Beam Width	Power supply	12 ÷ 24V; Poe
Antenna sensitivity	-90dBm	Operating temperature	-20° C ~ +55° C
Reading Distance	Up to 10 m		
Operating system	Linux		
RAM	512 MB		

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CPU	ARM1176JZF-S	
Flash memory	On-board 4 GB eMMC	

CE certified in accordance with ETSI EN 302 208.