

Discovery Gate IoT

Fixed RFID reader for IoT applications



APPLICATION

Easy to install and manage via Linux-based systems, the Discovery Gate IoT fixed RFID reader is the ideal choice for **IoT projects**, particularly for:

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

PRODUCT OVERVIEW

The Discovery Gate IoT fixed RFID reader is a **highly sensitive**, high-power, stand-alone device that reads and writes passive UHF tags **up to a distance of 10 m, running the Linux operating system.**

It is suitable for IoT applications.

With a minimalist design, it measures 305 mm x 305 mm x 70 mm, and is available with 2 inputs and **2 outputs**, as well as **WiFi and Ethernet.**

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Stand-alone, high-power RFID reader for IoT applications



SPECIFICATIONS

Operating Frequency UE	865.7-867.5	IP grade	65
Operating Frequency US	902.75-927.25	Dimensions	305 x 305 x 70 mm
Standard protocol	ISO 18000 - 6 A/B/C, EPC Class 1 Gen 2	External housing	Abs
Connectivity protocol	RS232/ RS485/ Ethernet 10/100/ WiFi IEEE802.11b/g/ USB	Input/ output	2
RF Power	2W (33dBm) EIRP [Attenuation configurable via software]	User interface	Buzzer and internal LEDs
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		

CPU ARM1176JZF-S

Flash memory On-board 4 GB eMMC

CE certified in accordance with ETSI EN 302 208.