

Product Data Sheet



Eureka UHF Active RFID Tag Reader - TCP/IP

Eureka UHF Active Reader

The Eureka UHF Active Tag Reader is a self contained receiver unit with an 868MHz PCB dipole antenna that detects and decodes Eureka-iD tags. Ideal for personnel and asset identification, tracking, security and access control applications.

The reader unit communicates via TCP/IP over a standard LAN connection. The unit has a 12V DC power supply.

Reader configuration can be setup through software and firmware control.

The reader unit can detect transmitting Eureka-iD tags up to 100 metres away in free air but will vary dependant on environment and factors that effect RF.

The reader can be used as a stand alone reader with Eureka-iD transmit only tags and can also be used with Eureka-iD wakeup tags when used in conjunction with the Eureka industrial wakeup unit. Wakeup units provide controlled tag activation fields that provide added flexibility to a system.

The Eureka UHF active tag reader offers a cost effective long range tagging system for a wide variety of applications.

Applications

- Vehicle Identification
- Industrial controls
- Access Control
- Personnel Identification
- Evacuation Systems
- Asset Identification

Receiver

RX Frequency	868 MHz
Demodulation	FSK
Sensitivity	-100dB
Range	Up to 100m*

Comms Interface

LAN	10/100Base-T Ethernet via RJ45
WLAN	N/A

Relay Output

Contacts	SPCO
Rating	1A @ 24VDC

Input

Object Sensor	Yes
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Environmental

Operating Temperature	-10°C to +50°C
Storage Temperature	-10°C to +50°C
Humidity	5% to 90% (non condensing)

Physical

Size	200mm x 210mm x 48mm
Weight	0.7kg
Colour	White (RAL 9002)
Material	ABS (UL 94 HB)

Electrical

Supply Voltage	12V DC (500mA Regulated PSU)
Power Consumption	<10W

*Dependant on environment and factors that effect RF

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Part No: EURIDK4932

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