

## 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
---------------	-----

#### 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

Eureka UHF Active RFID Tag Reader - TCP/IP

Part No: EURIDK4932

#### Avonwood Developments Ltd.

Knoll Technology Centre, Stapehill Road, Wimborne, Dorset, BH21 7ND

tel: +44 (0)1202 868000 fax: +44 (0)1202 868001

email: sales@avonwood.co.uk web: www.avonwood.co.uk

