

Product Data Sheet



Eureka - COMMS Interface with 13.56MHz RFID Module

Product Overview

The Eureka comms interface with 13.56MHz reader module is a fully integrated high frequency (HF) low power short range RFID reader.

The interface board provides multiple communication options for the integrated 13.56MHz HF reader module that fits directly on the interface board. Communication options include RS232, RS485 half duplex 2 wire, RS485 full duplex 4 wire, USB and Ethernet TCP/IP.

The 13.56MHz RFID reader module provides proximity reading and writing of HF tags and supports the ISO 15693 standard typically offering up to 5cm of range using the integrated PCB antenna. Other HF protocols may be available by request and firmware upgrade.

The comms interface provides an ideal low cost RFID solution for OEM applications, multiple read points, networked systems, RFID pilots and trials.

- High Frequency RFID
- Communication Options
- Multiple Read Points
- PCB Only
- Firmware Upgrades
- OEM Options

The Eureka comms interface with 13.56MHz reader module has excellent user features including hardware selectable communication interface, software configurable communication parameters, tag protocol selection and operating modes.

Evaluation software is provided with the reader to display tag data, control reader commands, configure reader options and enable firmware updates.

Build options and OEM versions of the Eureka comms interface with 13.56MHz reader module can be manufactured to meet specific design specifications.

For further information please feel free to contact us on 01202 868000 to discuss your enquiry.

Reader

RF Frequency	13.56MHz
Supported Transponders	ISO-15693
Read Range*	Typically 2 to 5cm (integral PCB antenna)
Comms Interface Options	RS232, RS485 half duplex 2 wire, RS485 full duplex 4 wire, USB & Ethernet TCP/IP.

Communication Parameters

I/O

Indicator LEDs	Operating Mode
Output	Transponder Functions
	Open Drain (e.g. Sounder or LED)

Physical

Size	Standard 160mm x 100mm (Eurocard) Extended 174mm x 100mm
------	---

Electrical

Supply Voltage	9V to 36V DC (12V DC Nominal)
Current Consumption	<500mA

* Read range for tags are typical only and depend on tag type, size, orientation, antenna and environment.

Eureka - Comms Interface with 13.56MHz RFID Module

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

