

Product Data Sheet



Eureka 125kHz RFID Starter Kit - USB Desktop Reader

Product Overview

The Eureka 125kHz RFID starter kit - USB desktop reader version is a complete starter kit supplied with a reader unit, cables, tags, software and manuals. This kit provides an ideal low cost introduction into low frequency (LF) RFID.

The starter kit includes a close proximity USB desktop reader for reading and writing to LF passive tags. For easy installation and convenience the reader is housed in a sloped ABS enclosure with powered USB comms on the rear panel. Ideal for a variety of desktop applications.

The reader supports Unique read only (R/O) and Hitag-S read write (R/W) tags with typical read ranges of between 2 to 5cm with internal antenna. The reader can write to all hitag-s variants of R/W tags with the write range being typically one third of available read range. A selection of supported LF RFID tags are included in the kit, which include both read only and read write options.

Features

The USB desktop reader has software configurable communication parameters including the protocol and operating modes.

Firmware updates are possible via a supplied bootloader included with the starter kit software. The software allows full control of the reader commands and configuration.

Subject to minimum order quantities and design specifications, Avonwood can manufacture an OEM version of the Eureka 125kHz desktop reader with alternative comms to suit your application.

Reader

RF Frequency	125kHz
Supported Transponders (Tags)	Unique (R/O) Hitag-S 32 (R/O) Hitag-S 256 (R/W) Hitag-S 2048 (R/W)
Read Range*	Typically 2 to 5cm (internal antenna)
Interface Options	USB Powered
Communication Parameters	Software Configurable
I/O	
Output	Sounder
Physical	
Size	195mm x 152mm x 50mm
Weight	<315g

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

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Part No: EUR111K4909

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