

134K-RW-USB-D1

134.2Khz ISO11784/11785 RFID reader/writer with USB

134K-RW-USB - General description

- Support Tag : EM4205 / EM4305 / EM4469 / EM4569
- ISO11784 / ISO11785 / ISO FDX-B
- USB 1.1/2.0 interface (virtual com port)
- No external power source needed
- Built-in bi-color LED and buzzer
- Built-in transceiver antenna
- Read/write distance : ear tag (3-5 cm)
- Free writer program
- Free sample EM4305/EM4205 ear tag
- Size : (100x125x30)mm



EM4205/EM4305 - General description

The EM4205/4305 is a CMOS integrated circuit intended for use in electronic Read/Write RF transponders. It is suitable for low cost solutions like animal tagging applications. The IC communication protocol is compatible with EM4469/4569 family. All EEPROM words can be write-protected by setting protection bits. The IC contains a factory programmed 32 bit UID number.

Features

- 512 bit EEPROM organised in 16 words of 32 bit
- 32 bit unique identifier (UID)
- 32 bit Password read and write protection
- ISO 11784 / 11785 Standard Compliant
- Lock feature converts EEPROM words in Read Only
- Two data encodings: Manchester and Biphase
- Multi-purpose data rate: 8, 16, 32 and 64 RF clocks
- Reader Talk First feature
- Compatible with EM4469 communication protocol
- On-chip rectifier and voltage limiter
- No external supply buffer capacitor needed
- 40°C to +85°C temperature range
- Ear-Tag size : Diameter(30mm), length(22mm)

Applications

- Animal Identification according to ISO FDX-B
- Pigeon races standard
- Waste management standard (BDE)
- Access Control