



EM4095 RFID Reader

General Description

The EM4095 RFID Reader supports the following 125kHz transponder ICs:

- | EM4200 128 bit Read Only Contactless ID
- | EM4205/EM4305 ISO11784/85 compliant, 512 bit Read/Write multi purpose Contactless Identification Device
- | EM4450/EM4550 1k bit Read/Write multi purpose Contactless Identification Device

The EM4095 RFID Reader is designed for a quick step into 125kHz RFID System designs. The RFID Reader hardware is based on the EM4095 transceiver IC which drives a printed antenna to communicate with the tag. The EM4095 RFID Reader is connected to the computer via an USB interface.

A PC software, provided with the reader, gives access to the command set of the all the above transponder ICs

Reader Items

- | Reader base station
- | 7.5V AC/DC power supply (2 versions for 110-220V AC)
- | EM4200 and EM4205 tags in a credit card format
- | USB cable
- | All installation files are available at download section of the EMDB409 product page (<http://www.emmicroelectronic.com/products/rf-identification-security/rfid-tools-support/emdb409>). Zip password = "em" (without the quotes)

EMDB409 Support Package Content

- | User's Guide
- | Microcontroller firmware
- | Unified Application Software to configure, read and write information inside the tag memory including source files in C++
- | Hardware schematic and PCB Gerber Files
- | Product Datasheets
- | Application Notes
- | Also included, 1 credit card format tag of each: EM4200, EM4205, EM4305 and EM4450

Latest support package is available from: emdirect@emmicroelectronic.com

Ordering Information

Description	Part Number
EM4095 RFID Reader (220V AC version)	EMDB409-E
EM4095 RFID Reader (110V AC version)	EMDB409-U

