EM MICROELECTRONIC

A COMPANY OF THE SWATCH GROUP

FACT SHEET | EMDB409
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EM4095 RFID Reader

General Description

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

l EM4200 128 bit Read Only Contactless ID

l EM4205/EM4305 ISO11784/85 compliant, 512 bit Read/Write multi purpose Contactless Identification Device

l 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

EMDB409 Support Package Content

l User's Guide

l Microcontroller firmware

l Unified Application Software to configure, read and write information inside the tag memory including source files in C++

l Hardware schematic and PCB Gerber Files

l Product Datasheets

l Application Notes

l Also included, 1 credit card format tag of each: EM4200, EM4205, EM4305 and EM4450

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

Reader Items

l Reader base station

l 7.5V AC/DC power supply (2 versions for 110-220V AC)

l EM4200 and EM4205 tags in a credit card format

l USB cable

l CDROM

Ordering Information

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