

# 724-99 MIFARE® Reader Writer Module

## Evaluation Kit



### Overview

The 724-99 Evaluation Kit enables an OEM design engineer to understand and evaluate the features of the 724-xx Mifare reader writer module before designing the module into their own product. The kit consists of:

- 1 x evaluation board (724-L-03)
- 1 x external antenna (can be detached from the evaluation board)
- 1 x CD containing evaluation software and design documentation.
- 1 x 724-xx module
- 1 x RS232 cable
- Note: 719-xx programmer required but not included.

### Features

The evaluation board provides the external electronics and connectors required to power up, communicate with, and view the outputs from the module:

- Power requirements: 5-14V dc. Current consumption with module is 120 mA typical.
- 9 way female D-type connector for serial cable link to PC to view RS232 output - use a standard terminal program with comm port set to 19200,n,8,1.
- 3 way connector with inverted outputs - DETECT, CLOCK/DATA0, DATA/DATA1 - use an oscilloscope to view these signals.
- 2 LEDs (red and green)
- Jumper to select INVERT.
- 6 way connector for programming the module - factory use only.
- Piezzo sounder.
- External antenna with tuning capacitor connected by RG174 screened cable.
- Typical reading range with this antenna/module combination: 40mm
- RF Frequency: 13.56 MHz.
- Card types supported: MIFARE® Std 1K and 4K.
- See module data sheet for description of output modes.