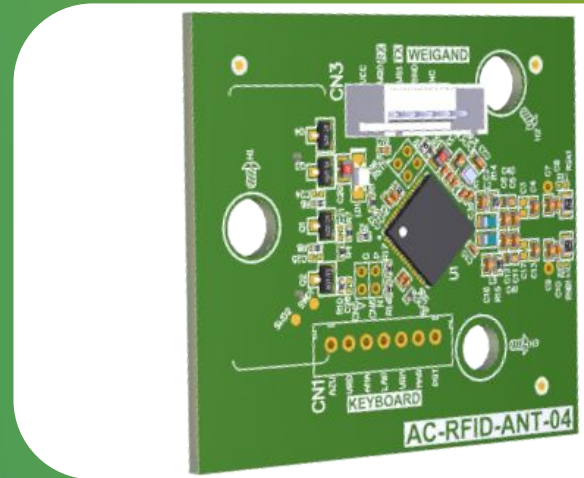


# MIFARE® DESFire RFID reader



## Features

- Private authentication technology
- 1x serial connection
- 1x Wiegand connection
- Option to purchase additional tags

## Applications

- Access control
- Payment systems
- Product consumption control
- Identification systems

## Overview

Khomp's KRFID is a unique kit developed for system integrators who wish to implement a secure system with an RFID reader as part of their solution. The KRFID includes a board, a serial cable, a Wiegand cable, and a set of five tags. The tags are exclusively provided by Khomp, which offers more security as the reader will not identify third-party tags. Additional tags can be purchased as needed or as the business grows.

The KRFID board is ideally sized to fit small to large devices. The board can be powered through the serial or Wiegand interface, eliminating the need for a dedicated power source. The identification data stored in the tag is read by the RFID reader and then sent to the integrator's solution through the serial and Wiegand interfaces simultaneously.

KRFID is ideal for applications such as: access control devices for opening doors and gates, mechanisms for controlling the consumption of items and products in commercial establishments and stock control systems.

## Enhanced security for your solution

The KRFID reader only identifies tags provided by Khomp. The board has a more secure authentication technology that is associated with the use of a Khomp exclusive private key between the tag and the reader.

This makes it even more difficult to clone tags and to use counterfeit tags, which increases the security and reliability of your access control solution.

# Technical Specifications

## Functionalities

- MIFARE® reader, 13,56 MHz, with private key mechanism
- On-board PBC antenna
- MIFARE® DESfire EV1 tag, 13,56 MHz
- Tag with unique 56-bit ID
- Communication integration via serial and Wiegand interfaces
- Read distance: 4 cm (not considering the cabinet)

## Physical/Environmental

- External power supply via serial or Wiegand interface
- 1x 4-pin serial interface
- 1x 5-pin Wiegand interface
- Board dimension (W x H): 50x55 mm

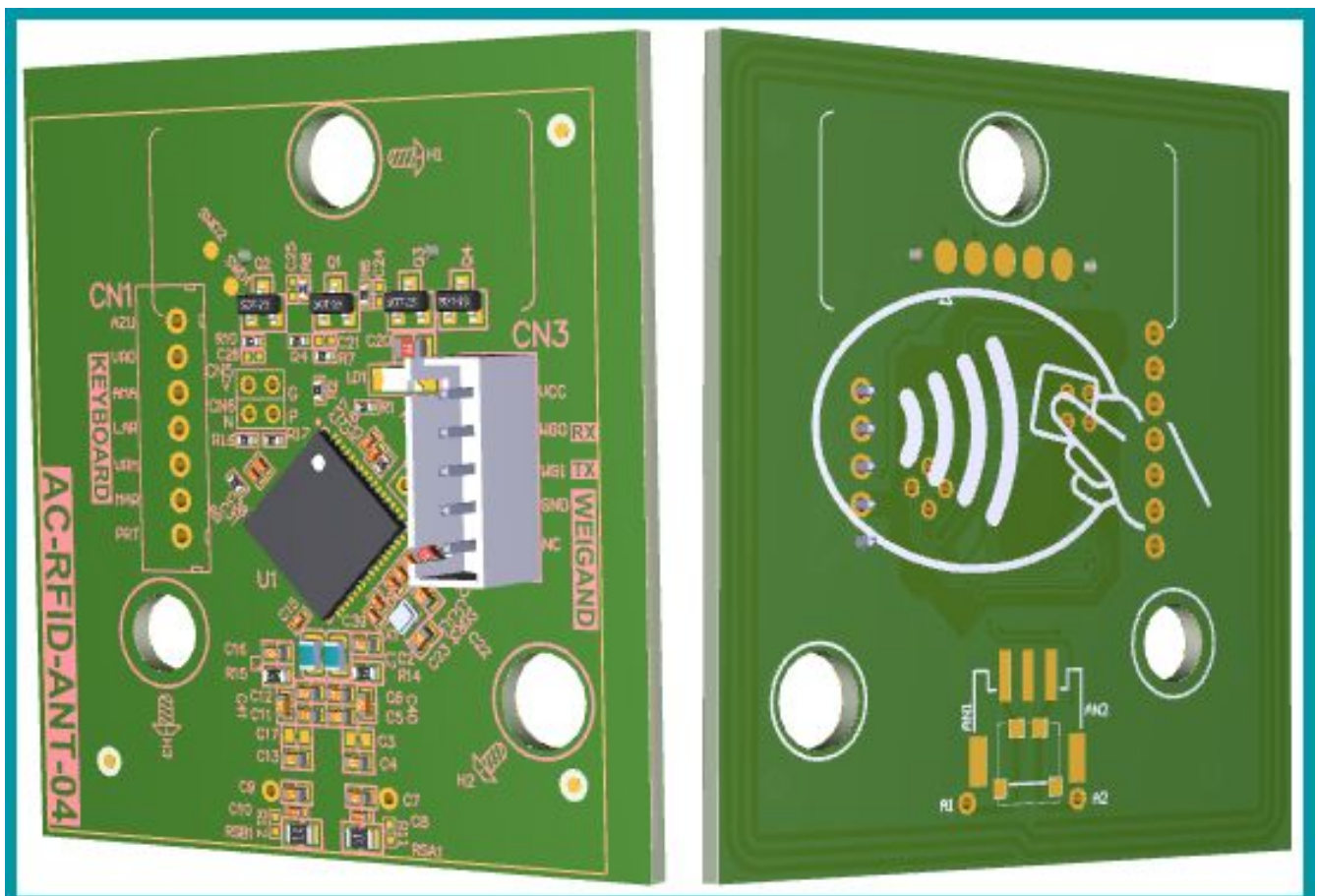
## Warranties and certifications

- Full warranty (legal + Khomp warranty): 1 year
- Legal warranty: 90 days
- Khomp Warranty: 9 months
- ISO 9001 certified industry

## Product images



**Subtitle:** Set of 5 tags and RFID board.



**Subtitle:** Front view of the board and rear view of the board.

## Modelo de aplicação

