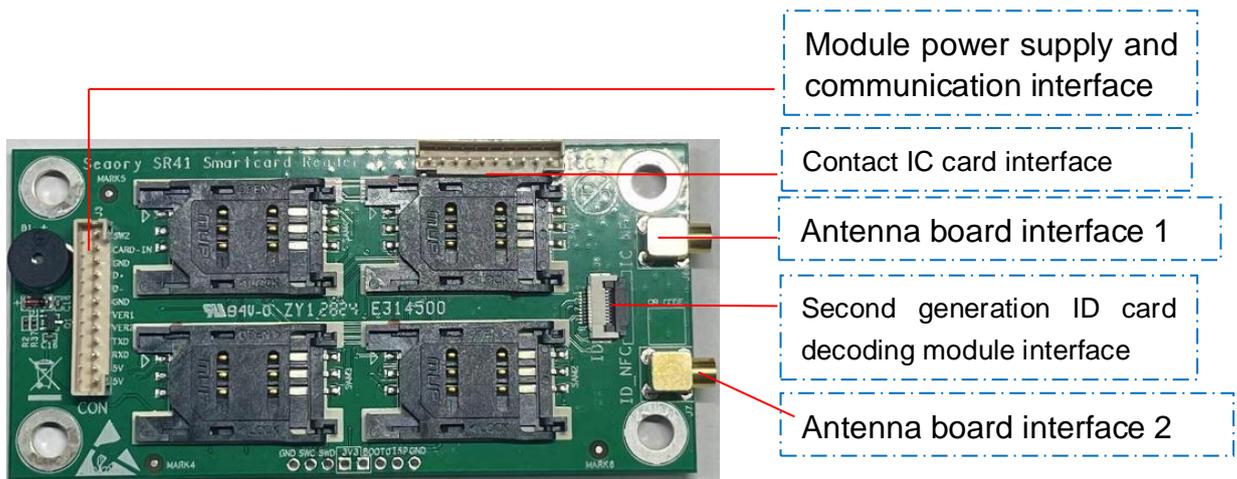


## Card Printer Optional Module

### Chip Encoding Module Specifications

#### Model: Seary SR41 chip encoding module

- ✚ Support contact and contactless chip card data read and write.
- ✚ Contains 4 SAM card slots which comply with the size of GSM 11.11 SIM card slot
- ✚ Support contact ISO7816, contactless ISO 14443 Type A/B protocols and common CPU cards
- ✚ Support PC/SC smart card interface protocol
- ✚ Support second-generation and third-generation resident ID card reading in China
- ✚ Dual antenna board, free combination of contactless IC card and ID card reading
- ✚ Support standard built-in RS232 and USB interface(HID driver free technology), Communication speed up to 115200bps
- ✚ Provides a general interface function library, which can support multiple operating systems and language development platforms, and supports online upgrades



## 1. Product Overview

SR41 is a module mainly used for embedding card printers, portable card dispensers and other card issuing devices. This module is a powerful all-in-one read/write module that can support the read-write functions of contact IC cards and contactless IC cards. The contact read/write function can support commonly used memory cards and CPU cards at the same time, and supports the reading of the second and third generation resident ID cards in China.

Support USB port and RS232 serial port communication, achieve card printer and related equipment connection. USB adopts driver-free technology, convenient installation and usage.

## 2. Main features

- Contact chip card & contactless chip card & Dual Interfaces Chip Card Encoder
- Support standard built-in RS232 and USB interface(USB adopts driver-free technology,)
- Support ISO7816 contact chip card, Support ISO14443 TYPE A/B contactless CPU card
- Support PC/SC Smart card interface

## 3. Specification

Category	SR41 chip encoding module Specification
Contactless card	Supports contactless smart cards that comply with ISO14443 Type A/B
Contact card	Supports contact IC cards that comply with ISO7816 standards. Supports T=0, T=1 CPU cards, all commonly used memory cards, and logic encryption cards.
ID card reading function	Supports data reading of second-generation and third-generation resident ID card chips in China
SAM card holder	4 SAM card slots which comply with the size of GSM 11.11 SIM card slot
Communication rate	9600-115200bps
Communication method	Supports USB interface communication (HID driver-free technology), RS232 serial communication
Operating system	Supports Windows, Linux, Android
Power supply	DC5V
Working environment	Temperature: -10°C~50°C; Humidity: 5%~93% (Non-condensing)
Other features	Provides API interface function library to support a variety of operating systems and language development platforms.

## 1、 Support chip card types

- contact chip card types  
Support 4442, 4428, 5542, 5528, 24C01A / 02/ 04/ 08/ 16/ 64... Memory card
- **contactless chip card types**
  - NXP Mifare DESfire
  - NXP Mifare DESfire EV1
  - NXP Mifare1 S50/S70
  - FM11RF08/ FM1204/1208/1216/1232/1260/1280
  - NXP mifare Ultralight/Ultralight C/Ultralight EV1
  - NXP mifare Ntag203/Ntag213/Ntag215/Ntag216...Memory card