

14443C-R-USB-D2

13.56Mhz ISO14443C – Sony Felica RFID Reader (Read ID only)
with USB interface

FEATURES :

- Dual protocol support
- Sony Felica – ISO14443C and Mifare ISO14443A
- Read card ID only, can't read/write inside data memory
- Built-in two color LED and buzzer,
- Built-in transceiver antenna;
- Reading distance : ISO card (~3-5cm)
- power by USB interface ,no external power is needed;
- support USB 1.1 or USB 2.0 interface
- SIZE : (100x125x30) mm
- Reader module is available for Wiegand 26 , RS232 & RS485 interface



Sony Felica card usage worldwide from <http://en.wikipedia.org/wiki/FeliCa>

| | |
|------------------------------|--|
| Hong Kong | Octopus card |
| China - Shenzhen | Transcard |
| China – Chong Qing | Pay Ease |
| Dubai , United Arab Emirates | Automatic Fare Collection |
| India | Travel card |
| Sinapore | EZ-Link |
| Thailand – Bangkok | Metro card |
| USA - Philadelphia | GoPhila card |
| Bangladesh | SPASS card |
| Japan | bitWallet , MoCoMo , Public Transportation payment |

Application

read Card ID for access control , car parking system control

Protocol

baud rate : 9600,N,8,1

| STX (Start String) | Reader address | Card data | Checksum | ETX (End String) |
|--------------------|----------------|-----------|----------|------------------|
| 0x7E | (1 Byte) | (5 Byte) | (1 Byte) | 0x0D 0x0A |

Checksum : XOR from Reader address to Card data (Total 6 Byte)