



TDR SERIES



# TDR SERIES MANUAL FULL INSERTION CARD READER

## Application

- ATM/CD
- Banking terminal
- Payment terminal
- Vending machine
- Gaming kiosk

## Affordable and versatile manual full insertion card reader of magnetic stripe and smart card

Pointman's manual full insertion card reader can read all three tracks of a standard ISO 7811 magnetic stripe card encoded to both HICO and LOCO coercivity levels and read & write a standard ISO 7816 smart card.

Not only can TDR series deliver super reading performance with its precision construction, it is also equipped with mechanical shutter and locking function to increase reliability of card reading and prevent foreign objects and dust.

This card reader provides multiple bezel and interface options to meet the various using environments.

## Features

- Magnetic ISO 1/2/3 track read
- IC card ISO 7816-1/2/3 read/write
- Optional contactless IC card read/write
- Data encryption with triple DES and single DES
- Locking function to prevent card full-out during transaction
- RS232C or USB interface
- EMV Level 1 & 2 certified
- Full shutter preventing dust and any foreign objects (optional)
- Optional flat bezel



## Technical Specifications

### MAGNETIC STRIPE

- ISO 7810, 7811, 7812, 7813, 4909
- Track 1,2,3 Hi-co/Lo-co read capable

### CONTACT SMART CARD

- ISO 7816-1/2/3
- T=0, T=1 protocol
- EMV Level 1 & 2

### CONTACTLESS SMART CARD (optional)

- ISO 14443 type A & B
- ISO 15693
- Mifare
- other types upon request

### CARD SPEED

- 100~1000mm/s capability (at flat card)

### CARD FORMAT

- Any customized card compatible with EMV and ISO 7810 & 7816-1/2/3 standard card can be supported upon request.

### INTERFACE

- RS232C or USB

### POWER

- +12Vdc +10%, 2A

### LIFE TIME

- Unit : 1,000,000 passes
- Mag. Head : 500,000 passes
- Smart card contact : 1,000,000 contacts

### USER FRIENDLY OPERATION

- Possibility to receive a feedback from the card reader about the status
- Possibility to update by remote the firmware of the card reader

### APPROVAL

- CE

### ENVIRONMENT CONDITIONS

- Operating Temperature : 0~50°C
- Storage Temperature : -20~70°C
- Operating Humidity : 5~90RH
- Storage Humidity : 0~90 RH

### DIMENSION

- 82.5mm (W) \* 50mm (H) \* 139.4mm (L)  
(153.4 mm (L): including RS232C connector)

### WEIGHT

- Less than 200 g

- Specifications are subject to change without notice

