

# Hybrid Reader ED1 - 9800 Series

## Overview:

A manual insertion type of MS & IC card reader that reads up to three tracks of MS data and reads/writes IC card. It can be easily programmed & configured to match application and communication requirements from customers. It combines MS & IC card reading capabilities into a compact solution and will be your ideal choice for demanding OEM applications.

## Features:

- ❖ Triple DES Encryption
- ❖ Mag Stripe Card Read
- ❖ IC Contact Card Read/Write
- ❖ T=0, T=1 Protocol
- ❖ Easy to Upgrade Firmware
- ❖ USB Interface & USB Powered (5V)
- ❖ LED Indicators
- ❖ Solenoid Locking
- ❖ EMV Level 1



## Applications:

- ATM / Cash Dispenser
- Vending Machine
- Kiosk (information & payment)
- POS System

## Technical Specifications:

Card Standard	Magnetic - ISO-7810, 7811; IC - ISO-7816
Power	DC 5V $\pm$ 5%
Communication	TTL / RS-232C / USB
Life Time	Mag Head: Min. 500,000 cycles; IC Contacts: Min. 700,000 contacts
Environment	Operation: 5 ~ 50°C / 0 ~ 90% RH; Storage: -20 ~ 70°C / 0 ~ 90% RH
Dimensions	99 x 73 x 120 mm