

# Motorized Reader/Writer

## EST-4000 Series



### Overview:

A motorized slim type MS & IC card reader/writer terminal with RS-232C & USB interface which encodes/decodes data on triple tracks of MS & IC card in accordance with ISO-7810, 7811/7816. It has a built-in power supply and LED's which indicates the status of its operation. This is a highly reliable and durable device.

### Features:

- Cycle Counting for Head, Solenoid, Flash Write
- Triple DES Encryption
- Mag Stripe Card Read/Write
- IC Contact Card Read/Write
- Write LoCo / HiCo
- T=0, T=1 Protocol (default)
- Customized Protocol available
- Easy to Upgrade Firmware
- EMV Level 1

### Applications:

- Door Lock System
- Parking Lot System
- Highway Tollgate System

### Technical Specifications:

Card Standard	Magnetic – ISO-7810, 7811; IC – ISO/IEC-7816, SLE4418/28, SLE4442;
Power	AC 110 ~ 220V, 50 ~ 60hz
Communication	RS-232C / USB / LAN
Life Time	Mag Head: Min. 2,000,000 cycles; IC Contacts: Min. 700,000 contacts
Feeding Speed	280 mm/sec. + 20%
Environment	Operation: 5 ~ 50°C / 20 ~ 90% RH; Storage: -20 ~ 70°C / 0 ~ 90% RH
Dimensions	148 x 100 x 225 mm