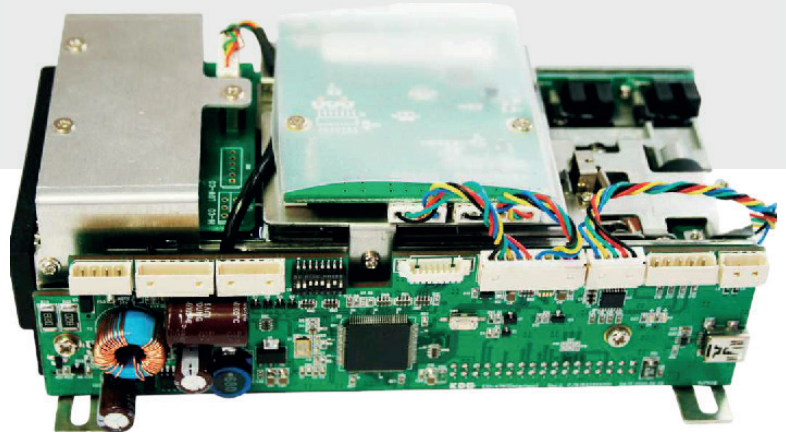


Motorized Reader/Writer

ESM-4000 Series

Overview:

A motorized insertion type of MS & IC card reader/writer module with RS-232C interface which encodes/decodes data on triple tracks of MS & IC card in accordance with ISO-7810, 7811/7816. This is a high reliable, durable device which offers accurate and efficient card encoding for customer business and industrial applications.



Features:

- Triple DES Encryption
- Mag Stripe Card Read/Write
- IC Contact Card Read/Write
- RF Card Read/Write (option)
- Write LoCo / HiCo
- T=0, T=1 Protocol (default)
- Customized Protocol available
- Easy to Upgrade Firmware
- Electric or Mechanical Shutter Available
- EMV Level 1
- Slim Type

Applications:

- ATM / Cash Dispenser
- Kiosk (information & payment)
- Door Lock System
- Parking Lot System
- Vending Machine
- POS System
- Highway Tollgate System

Technical Specifications:

Card Standard	Magnetic – ISO-7810, 7811; IC – ISO/IEC-7816, SLE4418/28, SLE4442; RF – Mifare, ISO-14443 Type A,B
Power	DC 24V ± 10% (default) / DC 12V ± 10% (option)
Communication	TTL / RS-232C / USB
Life Time	Mag Head: Min. 500,000 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	99 x 59 x 192 mm