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 $\pm$ 10% (default) / DC 12V $\pm$ 10% (option)
Communication	TTL / RS-232C / USB
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	99 x 59 x 192 mm

Peripheral Dynamics Inc.
SCANNING NEW HORIZONS IN DATA ENTRY