Motorized Reader/Writer

KF
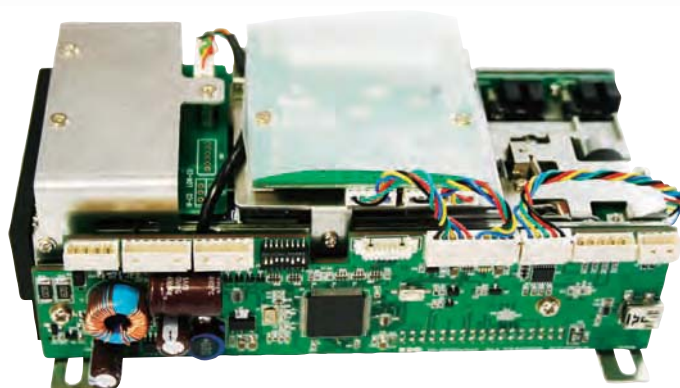YOUR IDEAS, OUR NEXT CHALLENGE

ESM-4000 Series

ESM-4000 is 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 motorized type of reader/writer is focused on reducing the dimension and it has high reliability & durability, and its mechanism offers accurate and efficient card encoding for customer business and their industrial applications.

Features

- Slim type
- Mag. stripe card Read/Write
- IC contact card Read/Write
- RF card Read/Write (option)
- T=0, T=1 protocol (default) / Customized protocol available
- EMV level 1
- Write LoCo / HiCo
- Electric or mechanical shutter available
- Anti-skimming
- Triple DES Encryption
- Easy to upgrade firmware
- Cycle counting for head, solenoid, flash write
- Serial No. display in test program

Application

- ATM / Cash dispenser
- Vending Machine
- Kiosk (information & payment)
- POS system
- Door lock system
- Parking lot system
- Highway tollgate system

Specification

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. 2,000,000 cycles
	IC contacts	Min. 700,000 contacts
Feeding Speed	280 mm/sec + 20%	
Environment	Operation	5~50℃ / 20~90%RH
	Storage	-20~70℃ / 0~90%RH
Dimension	99 x 59 x 192 mm	

Model Name Configuration

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K: Not EMV certified	S: Slim type	R: TTL	Blank: LoCo			5: 12V	0: IC only	0: Without shutter
E: EMV certified		M: RS-232C	H: HiCo			7: 24V	1: ISO-1 trk	1: With electronic shutter
		1: RS-232C & USB	F: RF			9: Customized	2: ISO-2 trk	6: With IC Contact
							3: ISO-3 trk	7: With IC Contact + electronic shutter
							5: ISO-1&2 trk	9: LoCo / HiCo auto selection (W/IC)
							6: ISO-2&3 trk	
							8: ISO-1&2&3 trk	

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