

# Motorized Card Encoder

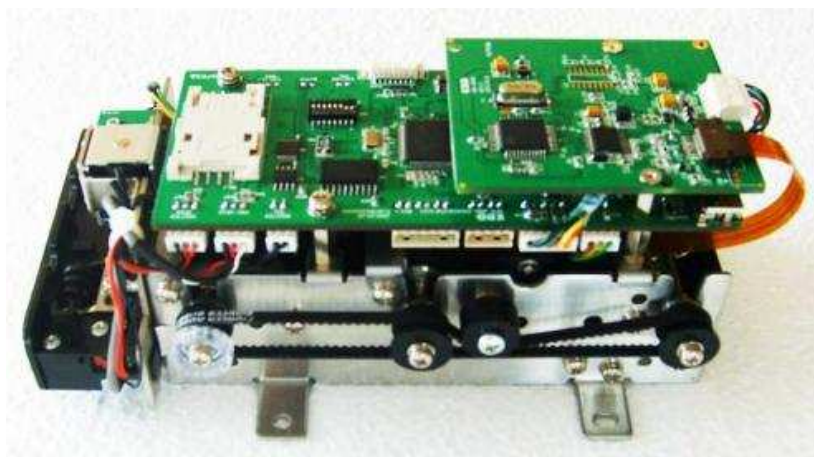
## ES1-5XXX Windows & Android Series

### Overview:

ES1-5XXX series are compact sized motorized insertion type card readers providing high reliability in a space saving device. The mechanism offers accurate and efficient mag card reader and Contact IC Read/Write for hotel keycard issuing, kiosks, payment systems, parking systems, POS, etc.

### Features:

- ❖ Magnetic Stripe Card Reader
- ❖ IC Contact Card Reader & Writer
- ❖ T=0, T=1 Protocol
- ❖ Electronic Shutter
- ❖ EMV Level 1 / PBOC
- ❖ RS-232C, USB Interface
- ❖ Triple DES Encryption
- ❖ Anti-Skimming
- ❖ Easy to Upgrade Firmware



### ❖ SDK for Windows & Linux/Android

Android Developer can expand the business field to the card reader/writer with ES1-5XXX card reader module which is equipped with Android assistance.

### Technical Specifications:

	Specification	Remarks
Card Standard	ISO-7810 ISO / 1EC7816-3:1997	ISO-1, 2 & 3 tracks
Communication	RS-232 or USB	
Power	24VDC $\pm$ 10%	
Life-Time	Mag Head: 2,000,000 cycles IC Contact: 700,000 contacts	
Environment	Operating: -10°C ~ 70°C / 0 ~ 90% RH Storage: -20°C ~ 80°C / 0 ~ 90% RH	Non-Condensing
Dimensions	163 x 90 x 66 mm	