ACR3x
Mobile Card Readers

Advanced Card Systems Ltd.
Card & Reader Technologies
Product Overview
The ACR3x Series is a family of Mobile Card Readers that uses audio jack interface as means of communication with a mobile device.

ACR31 Swipe  ACR32 MobileMate  ACR35 NFC MobileMate
ACR31 Swipe

ACR31 Swipe Card Reader is a combination of magnetic stripe card reader functionality and mobility, which enables you to access secure applications anytime, anywhere.
ACR32 MobileMate Card Reader is a combination of two card technologies into one wherein it provides its user the flexibility to use magnetic stripe cards and contact smart cards without the additional cost.
ACR35 NFC MobileMate Card Reader is a combination of two card technologies into one. It delivers NFC reader functionality and mobility, which allows you to use NFC and contactless applications, even for mobile readers without built-in NFC.
Product Features

**Interface**
Standard 3.5mm Audio Jack

**Battery**
CR2016

**Encryption Algorithm**
AES-128

**Supported Card Types**
- ISO 7810 compliant cards
- ISO 7811 compliant cards
- Hi-Co magnetic cards
- Lo-Co magnetic cards
- JIS1 & JIS2 cards

**Certifications/Compliance**
CE, FCC, VCCI, RoHS 2, REACH

**Key Management System**
DUKPT

**Operating System Support***
Android™, iOS

**Other Features**
- Reads tracks 1/2
- Bi-directional reading capability

*Note: Visit [www.acs.com.hk](http://www.acs.com.hk) for the list of supported devices.
Product Features

**Interface**
- Standard 3.5 mm Audio Jack
- Micro USB Full Speed

**Supported Card Types**
- Hi-Co magnetic cards
- Lo-Co magnetic cards
- ISO 7810 compliant cards
- ISO 7811 compliant cards
- JIS1, JIS 2 cards
- ISO7816 Class A, B, C
- MCU with T=0, T=1 protocols
- Memory cards

**Battery**
- Rechargeable Lithium-ion

**Encryption Algorithm**
- AES-128

**Key Management System**
- DUKPT

**Operating System Support**
- Windows®, Linux®, Mac OS®,
- Android™*, iOS*

**Certifications/Compliance**
- EMV 2000 Level 1
- CE, FCC, VCCI, RoHS 2, REACH
- Microsoft® WHQL

**Other Features**
- Reads tracks 1/2
- Bi-directional reading capability

*Note: Visit [www.acs.com.hk](http://www.acs.com.hk) for the list of supported devices.*
Product Features

**Supported Card Types**
- ISO 7810 compliant cards
- ISO 7811 compliant cards
- Hi-Co magnetic cards
- Lo-Co magnetic cards
- ISO14443-compliant cards
- ISO18092-compliant cards*

**Encryption Algorithm**
- AES-128

**Battery**
- Rechargeable Lithium-ion

**Certifications/Compliance**
- CE, FCC, VCCI, RoHS 2, REACH

**Key Management**
- DUKPT

**Interface**
- Standard 3.5mm Audio Jack

**Operating System Support**
- Android™*, iOS*

**Other Features**
- Reads tracks 1/2
- Bi-directional reading capability

*Except Topaz
**Visit [www.acs.com.hk](http://www.acs.com.hk) for the list of supported devices
Product Value

Cost-effective
A compact yet powerful reader which is also price-competitive

Portability
A device that you can easily carry around anytime, anywhere

Secured
Once the card is swiped, the user information is being encrypted using the AES-128 algorithm

Compatibility
ACS’s mobile card reader supports most of the mobile devices in the market today
Product Application

- Mobile Payment
- Mobile Banking
- Loyalty
- E-Health
Sample Application

Shop for good/services. Merchant will input amount to be paid in a payment app.

1. Swipe the customer’s credit card to the reader
2. Insert the customer’s credit card to the reader
3. Tap the customer’s credit card to the reader
4. Request for customer’s PIN
5. Ask for customer’s signature
6. Transaction completed!