



# ACR3x

## Mobile Card Readers



**Advanced Card Systems Ltd.**  
Card & Reader Technologies

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# Product Overview



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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



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



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



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# Product Features

## Interface

Standard 3.5mm Audio Jack

## Battery

CR2016

## Encryption Algorithm

AES-128

## Key Management System

DUKPT

## 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

## Operating System Support\*

Android™, iOS

## Other Features

Reads tracks 1/2  
Bi-directional reading capability



# Product Features



## Interface

Standard 3.5 mm Audio Jack  
Micro USB Full Speed

## Battery

Rechargeable Lithium-ion

## Encryption Algorithm

AES-128

## Key Management System

DUKPT

## Operating System Support

Windows®, Linux®, Mac OS®,  
Android™\*, iOS\*

## 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

## Certifications/Compliance

EMV 2000 Level 1  
CE , FCC, VCCI, RoHS 2, REACH  
Microsoft® WHQL

## Other Features

Reads tracks 1/2  
Bi-directional reading capability

# Product Features

## Interface

Standard 3.5mm Audio Jack

## Battery

Rechargeable Lithium-ion

## Encryption Algorithm

AES-128

## Key Management

DUKPT

## Operating System Support

Android™\*, iOS\*

## 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\*

## Certifications/Compliance

CE , FCC, VCCI, RoHS 2, REACH

## 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



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## 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



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# Product Application



Mobile  
Payment



Mobile  
Banking



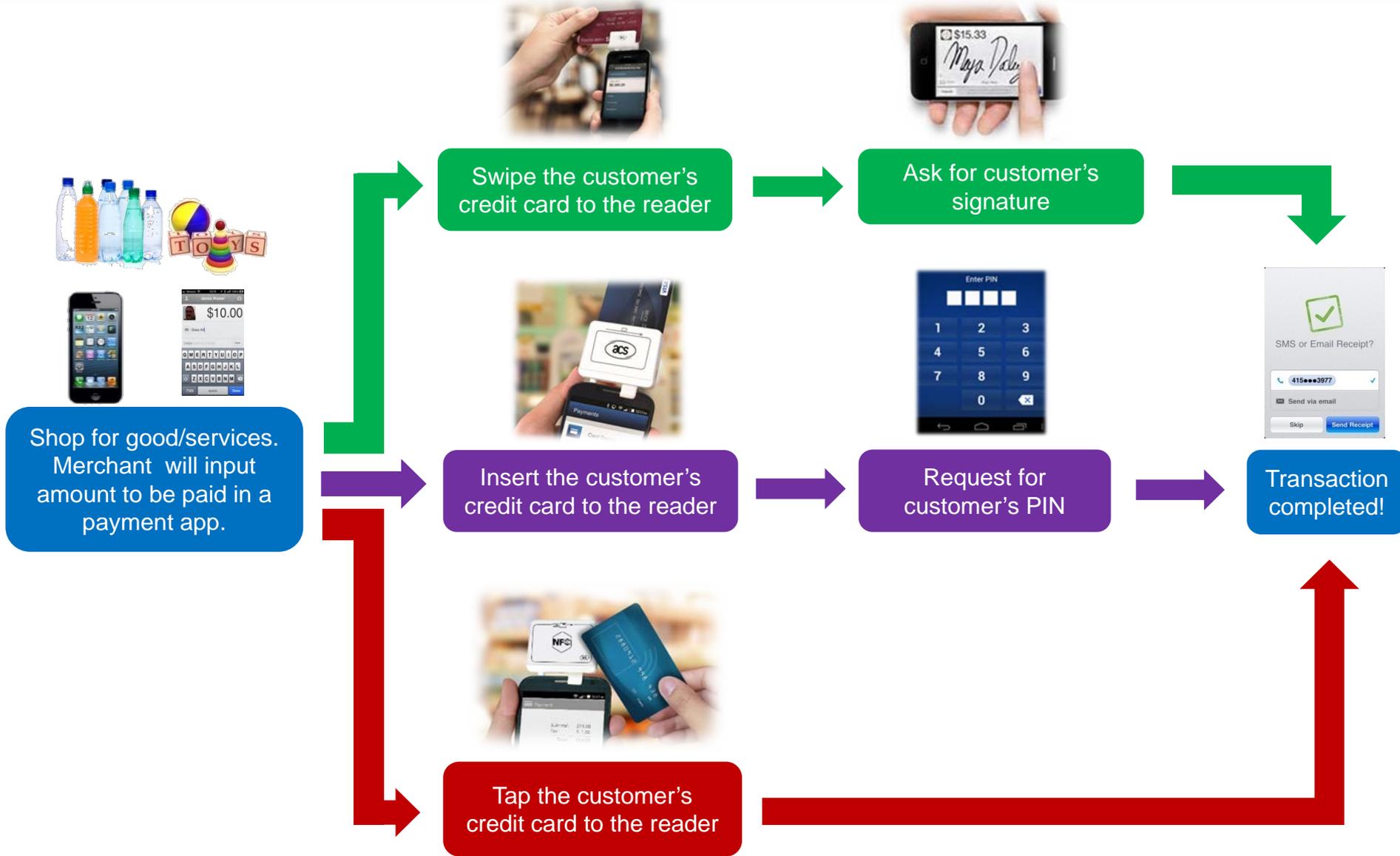
Loyalty

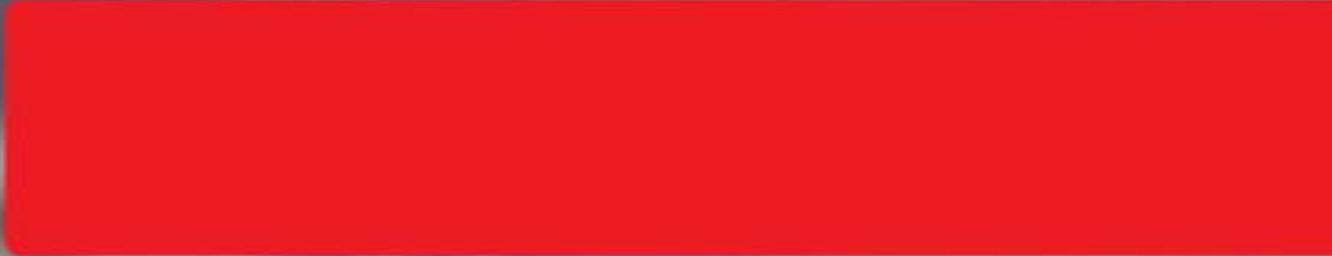


E-Health



# Sample Application





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www.acs.com.hk



<http://twitter.com/SmartCardReader>



<http://www.facebook.com/AdvancedCardSystems>



<http://gplus.to/advancedcardsystems>



<http://www.youtube.com/user/AdvancedCardSystems>



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