



# ACR1252U

NFC Forum Certified Reader



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

Units 2010-2013, 20th Floor  
Chevalier Commercial Centre  
8 Wang Hoi Road, Kowloon Bay, HK  
Tel: +852-27967873 Fax: +852-27961286  
[info@acs.com.hk](mailto:info@acs.com.hk) [www.acs.com.hk](http://www.acs.com.hk)

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# Product Overview



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## ACR1252U NFC Forum Certified Reader

The ACR1252U is a PC-linked NFC Reader that is NFC Forum–certified. It is capable of the three NFC modes of operation, namely, Card Reader/Writer, Card Emulation, and Peer-to-Peer Communication.

It is PC/SC-compliant allowing interoperability and has a built-in SAM (Secure Access Module) slot which can be used for key diversification and mutual authentication providing high level security in contactless transactions.

Post-deployment firmware upgrade is also supported, eliminating the need for additional hardware modification.





# Product Features



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# What are the Key Features of ACR1252U?



**Firmware Upgradable**

**Smart Card Interface**

PICC (Contactless)  
ICC (SAM Slot)

**Supported Card Types**

ISO 18092 Tags (NFC)  
ISO 14443 Type A & B  
MIFARE® variants  
FeliCa  
ISO 7816-compliant SAM slot  
(Class A)

**User-controllable Peripherals**

Bi-color LED  
Buzzer

**Cost-effective**

**Fast Access Speed**

**Certifications/Compliance**

ISO 18092, ISO 14443, ISO 7816 (SAM Slot), NFC Forum, FeliCa Performance Certification, PC/SC, CCID, EN60950/IEC 60950, CE, FCC, J-LIS, VCCI, MIC, KC, USB Full Speed, Microsoft® WHQL, RoHS 2

**Protocols and Standards**

ISO 18092 NFC  
ISO 14443 Parts 1-4  
ISO 7816  
PC/SC and CCID  
USB V2.0 (12 Mbps)

**Operating System Support**

Windows®  
Linux®  
Mac OS®  
Android™

The ACR1252U offers advanced NFC features making ideal for NFC applications like Smart Posters for advertising and marketing purposes, and Peer-to-Peer communication with most NFC-enabled mobile phones in the market.

- ACR1252U is built based on ISO 14443 and ISO 18092
- Supports MIFARE®, FeliCa and NFC tags
- Provides support for NFC mobile Phones
- Allows in-field firmware upgradability function to support any future enhancements
- Suitable for different applications on various NFC environments





# Product Value



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# What are the Key Benefits of ACR1252U?



## NFC Forum–certified

Supports the three NFC modes namely:  
Card Reader/Writer, Card Emulation, and Peer-to-Peer Communication

## Competitive Cost

ACR1252U is a cost-effective reader to extensively share and promote NFC technology to customers.

## PICC Support

- ISO 18092 Tags (NFC)
- ISO 14443 Type A & B
- MIFARE variants, FeliCa

## Ease of Integration

- PC/SC-compliant Contactless Interface
- PC/SC-compliant SAM Interface

## Firmware Upgradeable

In-field firmware upgrade function provides support to any future enhancements

## Driver-free

The CCID driver is installed through Windows Update.



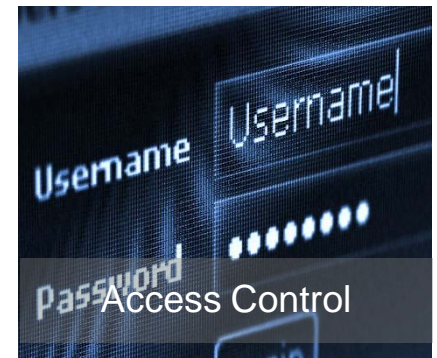
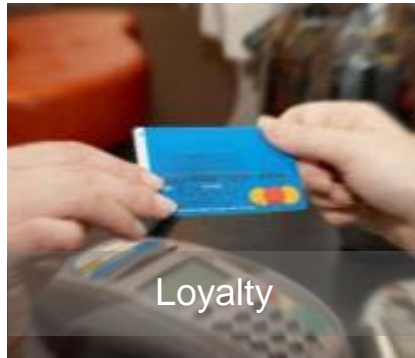
# Product Application



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# In what areas can we apply ACR1252U?



Introduction

Features

Product Value

Application



# Compliance/Certifications



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# Compliance / Certifications



Ministry of Internal Affairs and Communications



**Thank You!**

**For more information, visit:**

<http://www.ACR1252.com/>



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