



# ACR1252U

## NFC Forum-Certified Reader



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# Product Information



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

# Product Overview

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



# Product Overview

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



# Product Overview

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



# Product Features



## Supported Card Types

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

## Fast Access Speed

## Smart Card Interface

PICC (Contactless)  
ICC (SAM Slot)

## Firmware Upgradeable

## User-controllable Peripherals

Bi-color LED  
Buzzer

## 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 2.0 (12 Mbps)

## Operating System Support

Windows®  
Linux®  
Mac OS®  
Solaris  
Android™





# Product Value



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# Product Value

- NFC Forum-certified – Supports the three NFC modes: Card Reader/Writer, Card Emulation, and Peer-to-Peer Communication
- PICC Support – ISO 18092 Tags (NFC), ISO 14443 Type A & B, MIFARE variants, FeliCa
- Firmware Upgradeable – In-field firmware upgrade function provides support for any future enhancements



# Product Value

- Competitive Cost – ACR1252U is a cost-effective reader to extensively share and promote NFC technology to customers.
- Ease of Integration – PC/SC-compliant Contactless Interface, PC/SC-compliant SAM Interface
- Driver-free – The CCID driver is installed through Windows Update.





# Product Application



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# In what areas can the ACR1252U be used?





## Compliance & Certifications



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# Compliance & Certifications



A collage of various NFC-enabled devices and cards, arranged in a diamond pattern. The items include: a black smartphone with an 'N' logo; a white payment terminal with a screen and keypad; a black payment terminal with a screen; a white NFC tag with an 'NFC' logo; a blue NFC tag with a 'loyalty' logo; a black card with 'ACOS' text; and a blue circuit board. A central white diamond shape is also present.

