ACR1252U NFC Forum Certified Reader
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Product Overview
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
What are the Key Features of ACR1252U?

**Introduction**

Features

- **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 2.0 (12 Mbps)

**Operating System Support**
- Windows®
- Linux®
- Mac OS®
- Solaris
- 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
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

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

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

**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
In what areas can we apply ACR1252U?

- e-Government
- e-Banking
- Smart Poster
- P2P Communication
- Loyalty
- Network Security
- e-Healthcare
- Access Control
Compliance/Certifications
Thank You!

For more information, visit:

ACR1252U Page

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http://www.facebook.com/AdvancedCardSystems

http://gplus.to/advancedcardsystems

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

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