Rundown

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Product Overview
Product Overview

ACR122U USB NFC Reader

The ACR122 Series is a family of Contactless Smart Card Readers sharing the same core. The readers are developed based on the 13.56 MHz RFID technology and the ISO/IEC 18092 NFC standard.

ACR122U is the world’s first CCID-compliant NFC Reader which is designed to interface with a PC for different smart card applications.
Product Features
What are the Key Features of ACR122U?

- **Smart Card Interface**
  - PICC (Contactless)

- **Compact and Slim Size**
  - 98.0 mm x 65.0 mm x 12.8 mm

- **Access Speed**
  - Read/Write speed of up to 424 Kbps

- **Supported Card Types**
  - ISO 14443 Type A &B
  - MIFARE
  - FeliCa
  - NFC Tags

- **User-Controllable Peripherals**
  - Bi-color LED
  - Buzzer

- **Certifications/Compliance**
  - ISO 18092, ISO 14443, PC/SC, CCID, EN60950/ISO 60950, CE, FCC, KC, VCCI, RoHS 2, USB Full Speed, Microsoft® WHQL

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

- **Operating System Support**
  - Windows®
  - Linux®
  - Mac OS®
  - Android™
Product Features

NFC Technology-enabled

NFC Tag Support
- Tag 1: based on ISO 14443 A (96 bytes) e.g., Topaz
- Tag 2: based on ISO 14443 A (48 bytes) e.g., MIFARE Ultralight
- Tag 3: based on Japanese Industrial Standard e.g., FeliCa
- Tag 4: based on ISO 14443 A and B e.g., MIFARE DESFire

Source: http://www.nfc-forum.org/specs/
Product Features

Trendy and Slim Design

With its compact and slim casing, ACR122U can be easily implemented into different embedded systems like kiosks, laptops, etc.

• ACR122U is built based on ISO 14443 and ISO 18092

• Supports FeliCa and NFC tags

• Suitable for different applications on various NFC environments
Product Value
What are the Key Benefits of ACR122U?

**NFC-enabled**
- Supports NFC tag Type 1 to Type 4 for different applications

**PICC Support**
- Supports most of the ISO 14443 Type A and B cards, like MIFARE cards

**Ease of Integration**
- PC/SC Interface
- Slim design

**Competitive Cost**
ACR122U is made affordable in order to extensively share and promote NFC technology to customers.

**Driver-Free**
The Unified driver is installed through Windows Update.
Product Application
In what areas can we apply ACR122U?

- Automatic Fare Collection
- Smart Posters
- Cashless Payment
- Vending Machines
- Network Access
- Physical Access Control
How to Use ACR122U? - Overview
Sample Scenario: Simple Visitor Management

Record visitor information in MS Excel or any spreadsheet application.
Thank You!

For more information, visit: