Advanced Card Systems Ltd.
Card & Reader Technologies

ACR122T

USB Token NFC Reader

A Product Presentation

www.acs.com.hk

Rundown

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Product Overview

Product Overview

ACR122T USB Token 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.

ACR122T is the token version of ACR122U, 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 ACR122T?

Extractable USB Plug

Plug and Play Smart Card Interface
PICC (Contactless)

Compact and Slim Design
75.0 mm x 30.0 mm x 12.7 mm
15.0 g

Access Speed
Up to 424 Kbps (for FeliCa Tags)

Supported Card Types
ISO 14443 Type A &B
Mifare
FeliCa
NFC Tags

User-controllable Peripheral
Bi-color LED

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

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

Supported Operating System
Windows 2000, Windows XP, Windows Vista, Windows 7, Windows 8, Windows 8.1, Windows Server 2003, Windows Server 2008, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, CE
Linux, Mac OS X
Android 3.1 and above

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., Ultralight
- Tag 3: based on Japanese Industrial Standard e.g., FeliCa
- Tag 4: based on ISO 14443 A and B e.g., DESFire

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

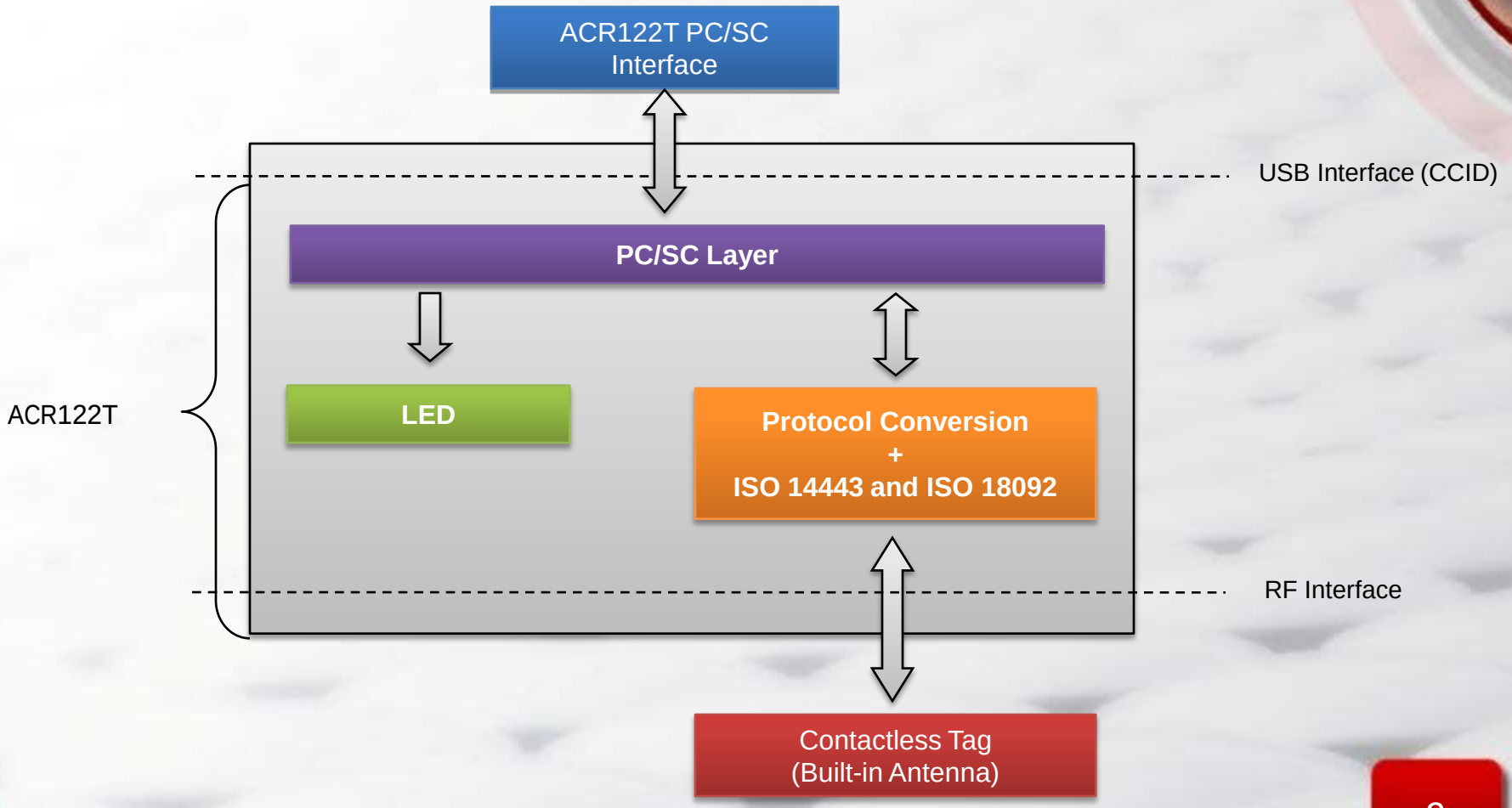
Product Features

Trendy and Compact Design

With its compact and slim casing, ACR122T allows for great portability and easy integration into fast-paced environments.

- ACR122T is built based on ISO 14443 and ISO 18092
- Supports FeliCa and NFC tags
- Suitable for different applications on various NFC environments

ACR122T Architecture



Product Value

What are the Key Benefits of ACR122T?

Competitive Cost
ACR122T is made affordable in order to extensively share and promote NFC technology to customers.

Driver-free
The CCID driver is installed through Windows Update.

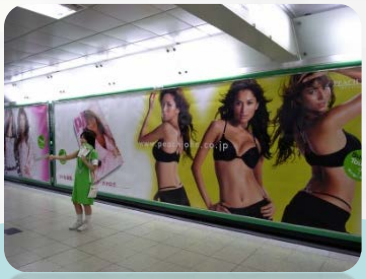
NFC-enabled
• Supports NFC tags Type 1 to Type 4 for different applications

PICC Support
• Supports most of the ISO 14443 Type A and B cards, such as Mifare cards

Ease of Integration
• PC/SC interface
• Compact design

Product Application

In what areas can we apply ACR122T?



Smart Posters

Network Access

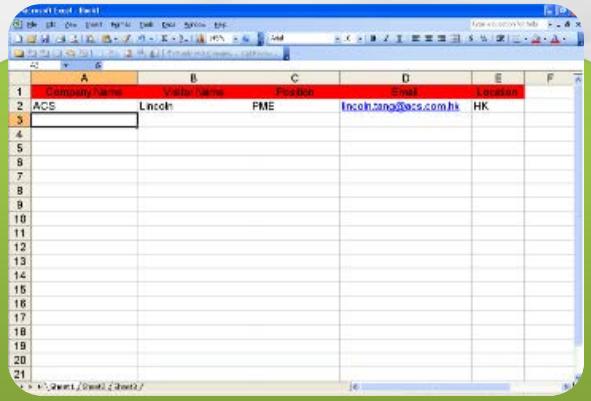
Micropayment

Online Shopping

How to Use ACR122T - Overview

Sample Scenario: Simple Visitor Management

Software



Record visitor information in MS Excel or any spreadsheet application.

Thank You!

For more information, please visit:
http://www.acs.com.hk/index.php?pid=product&id=ACR122T