Advanced Card Systems Ltd.
Card & Reader Technologies

ACR1222L VisualVantage
USB NFC Reader with LCD

Product Presentation

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Product Overview

Product Overview

ACR1222L VisualVantage USB NFC Reader with LCD

ACR1222L is an LCD-equipped PC-linked NFC contactless reader having USB as its host interface.

The ACR1222 Series is an extension of ACS' successful ACR122 Series. Both ACR122 and ACR1222 is a family of Contactless Smart Card Readers sharing the same core. The readers are developed based on the 13.56 MHz contactless smart card technology and the ISO/IEC 18092 NFC standard.

Product Features

What are the Key Features of ACR1222L?

USB Full Speed (12 Mbps)

Smart Card Interfaces
PICC (Contactless)
SAM

USB Firmware Upgradability

Access Speed
Maximum of 424 Kbps

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

Anti-Collision Support
Only 1 tag is accessed at any time

User Controllable Peripherals
2-Line Graphic LCD
Four LEDs
Buzzer
Three ISO 7816 SAM Sots

2-line Graphic LCD Features
Interactive Operability
Multiple Language Support

Operating System Support
Windows®
Linux®
Mac®
Android™

Certifications/Compliance
ISO14443 , ISO 18092,
CE, FCC, KC, VCCI, RoHS 2
PC/SC, CCID
Microsoft® WHQL

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

Responding to the Growing Demand for Contactless Applications

Recognizing the growing use of contactless smart card technology globally, ACR1222L embraces different card types, common user scenarios and application environments.

- ACR1222L supports a wide range of cards and phones (i.e. ISO 14443 Type A & B, MIFARE, FeliCa and NFC tags).
- ACR1222L comes with three built-in SAM slots to secure contactless operations.
- ACR1222L Device Peripherals include 4 LEDs, a buzzer and a 2-line graphic LCD for rich user interaction
- The LCD provides:
  - Interactive operability (scrolling up & down, left & right, etc.)
  - Multiple language support (Chinese, English, Japanese and some European languages)
  - Graphic display

Product Value

What are the Key Benefits of ACR1222L?

Great Convenience to Consumers
ACR1222L supports anti-collision and direct polling for a specific card type. Users can tap their purses with several cards inside, and the device will only access the specific card involved in the transaction.

Multi-Protocol Support
ACR1222L works with a wide range of contactless tags and cards. In most cases, using ACR1222L eliminates the need for merchants to use another reader for different contactless cards and applications.

High Security
ACR1222L has built-in SAM slots to secure contactless operations.

Rich User Interaction
ACR1222L's user-controllable device peripherals provide programmers with easy development of user-interactive applications

Ease of Integration
ACR1222L is PC/SC-compliant, allowing interoperability with different applications and platforms.

Ease of Upgrade
ACR1222L has quick and easy firmware upgradability through its USB interface.

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Product Application

In what areas can we apply ACR1222L?

Automatic Fare Collection

Cashless Payment

Network Access

Physical Access Control

Thank You!

For more information, visit:
www.acr1222l.com

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