



ACR1252U

NFC Forum Certified Reader



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Card & Reader Technologies

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Product Overview



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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



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What are the Key Features of ACR1252U?



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 V2.0 (12 Mbps)

Operating System Support

Windows®
Linux®
Mac OS®
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



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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

Competitive Cost

ACR1252U is a cost-effective reader to extensively share and promote NFC technology to customers.

PICC Support

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

Ease of Integration

- PC/SC-compliant Contactless Interface
- PC/SC-compliant SAM Interface

Firmware Upgradeable

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

Driver-free

The CCID driver is installed through Windows Update.



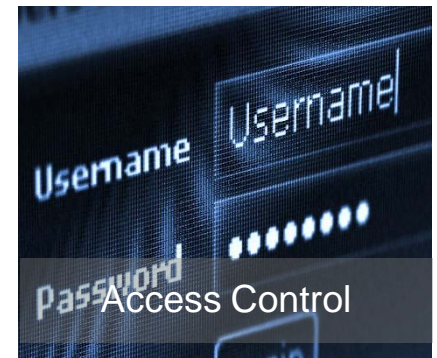
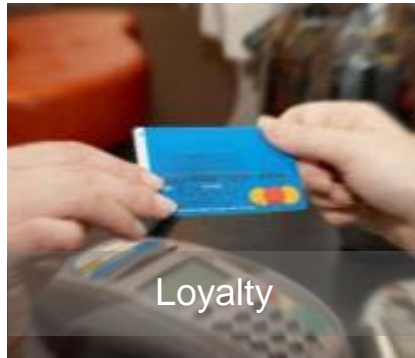
Product Application



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In what areas can we apply ACR1252U?



Introduction

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Compliance/Certifications



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Ministry of Internal Affairs and Communications