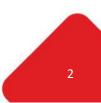**ACR1252U**
NFC Forum-Certified Reader

Advanced Card Systems Ltd.
Card & Reader Technologies

Outline

1. **Product Information**
    - **Product Overview**
    - **Product Features**
2. **Product Value**
3. **Product Applications**
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Product Information

Advanced Card Systems Ltd.
Card & Reader Technologies

Product Overview

The ACR1252U is a PC-linked NFC Reader that is NFC Forum-certified. It is capable of the three NFC modes of operation: Card Reader/Writer, Card Emulation, and Peer-to-Peer Communication.

Product Overview

It is PC/SC-compliant allowing interoperability and has a built-in SAM (Secure Access Module) slot that can be used for key diversification and mutual authentication, providing high level security in contactless transactions.

Product Overview

Post-deployment firmware upgrade is also supported, eliminating the need for additional hardware modification.
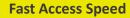
Product Features

User-controllable Peripherals
Bi-color LED
Buzzer

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)

Supported Card Types
ISO 18092 Tags (NFC)
ISO 14443 Type A &B
MIFARE® variants
FeliCa
ISO 7816–compliant SAM slot
(Class A)

Fast Access Speed

Smart Card Interface
PICC (Contactless)
ICC (SAM Slot)

Firmware Upgradeable

Operating System Support
Windows®
Linux®
Mac OS®
Solaris
Android™

acs

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Product Value

Product Value

- NFC Forum-certified – Supports the three NFC modes: 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 for any future enhancements

Product Value

- 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 the ACR1252U be used?

e-Healthcare

e-Government

Loyalty

e-Banking and e-Payment

Network Security

Access Control

Compliance & Certifications

Compliance & Certifications

Thank You!

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