



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**
- 4. Compliance/Certifications**





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



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

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)

Operating System Support

Windows®
Linux®
Mac OS®
Solaris
Android™





Product Value



Advanced Card Systems Ltd.

Card & Reader Technologies

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



Advanced Card Systems Ltd.
Card & Reader Technologies

In what areas can the ACR1252U be used?





Compliance & Certifications



Advanced Card Systems Ltd.
Card & Reader Technologies

Compliance & Certifications





Thank You!



Advanced Card Systems Ltd.
Card & Reader Technologies

info@acs.com.hk
www.acs.com.hk