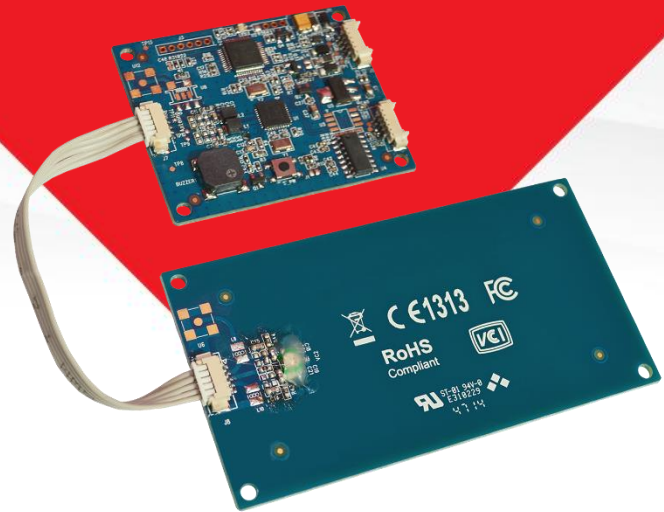# ACM1252U-Y3
USB NFC Reader Module with Detachable Antenna Board

Advanced Card Systems Ltd.
Card & Reader Technologies

Outline

1.   **Product Information**
     - **Product Overview**
     - **Product Features**
2.   **Product Value**
3.   **Product Applications**
4.   **Compliance/Certifications**
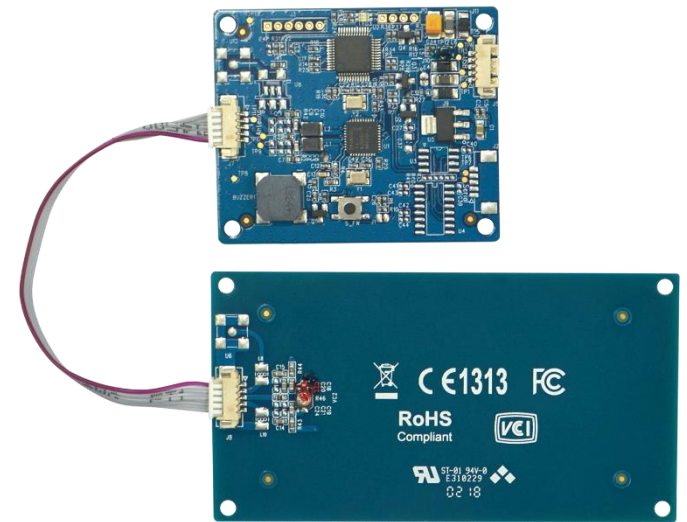
Product Information

acs
Advanced Card Systems Ltd.
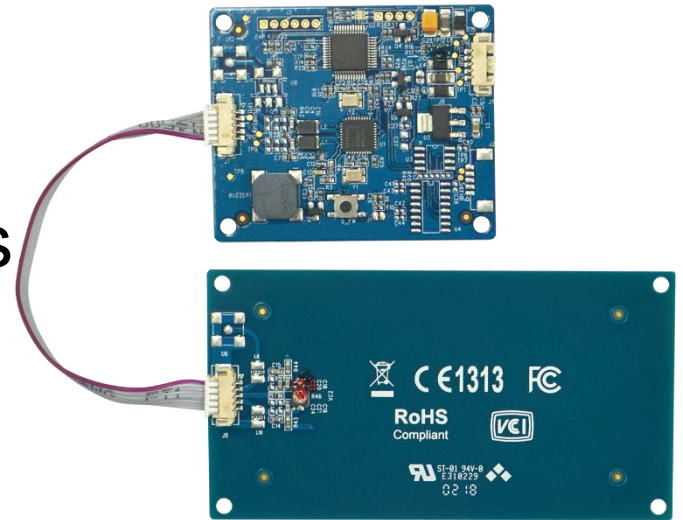Card & Reader Technologies

Product Overview

The ACM1252U-Y3 USB NFC Reader Module with Detachable Antenna Board is capable of the three NFC modes of operation: Card Reader/Writer, Card Emulation, and Peer-to-Peer Communication.
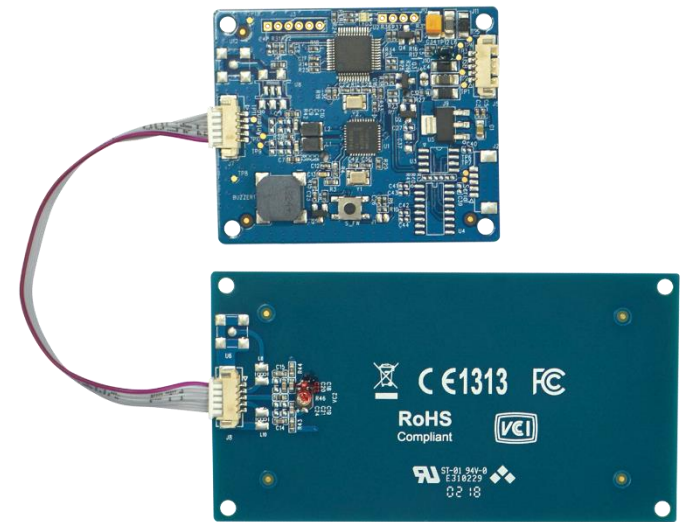
Product Overview

The ACM1252U-Y3 comes with a detachable antenna, making it the perfect front-end interface module to enable NFC transactions for applications involving vending machine payment systems, kiosks gaming machines and other integrated systems.

Product Overview

This Smart Card Reader Module is designed for fast and easy integration to embedded systems. Post-deployment firmware upgrade is also supported, eliminating the need for additional hardware modification.

Note: A detachable USB cable can be ordered separately.

Product Features

User-controllable Peripherals
Bi-color LED
Buzzer

Detachable Antenna

Certifications/Compliance
ISO 18092, ISO 14443, ISO 7816 (SAM Slot), PC/SC, CCID, EN60950/IEC 60950, CE, FCC, VCCI, USB Full Speed, Microsoft® WHQL , RoHS

Protocols and Standards
ISO 18092 NFC
ISO 14443 Parts 1-4
ISO 7816
PC/SC and CCID
USB V2.0 (12 Mbps)

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

Fast Access Speed

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

**Firmware Upgradeable
via USB Interface**

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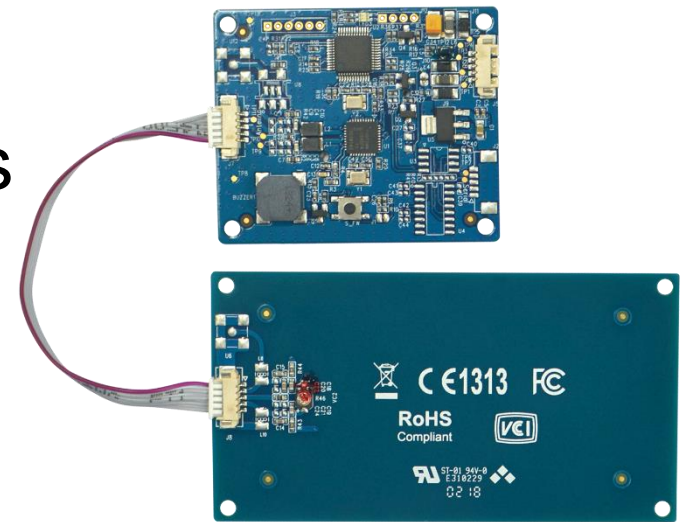Windows®
Linux®
Mac OS®
Solaris
Android™

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Product Value

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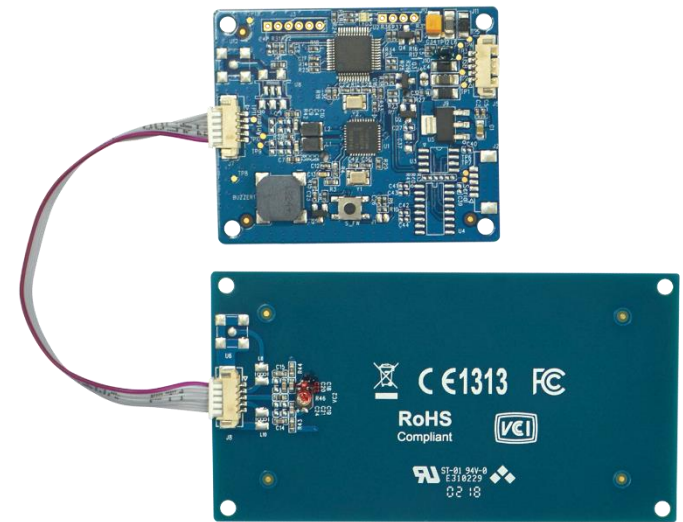Card & Reader Technologies

Product Value

- NFC Support - 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 to any future enhancements

Product Value

- Detachable Antenna - ACM1252U-Y3 comes with a detachable antenna and an optional USB cable making it the perfect front-end interface module to enable fast and easy integration to embedded systems.

- Ease of Integration - PC/SC-compliant Contactless Interface, PC/SC-compliant SAM Interface (Upon Request)

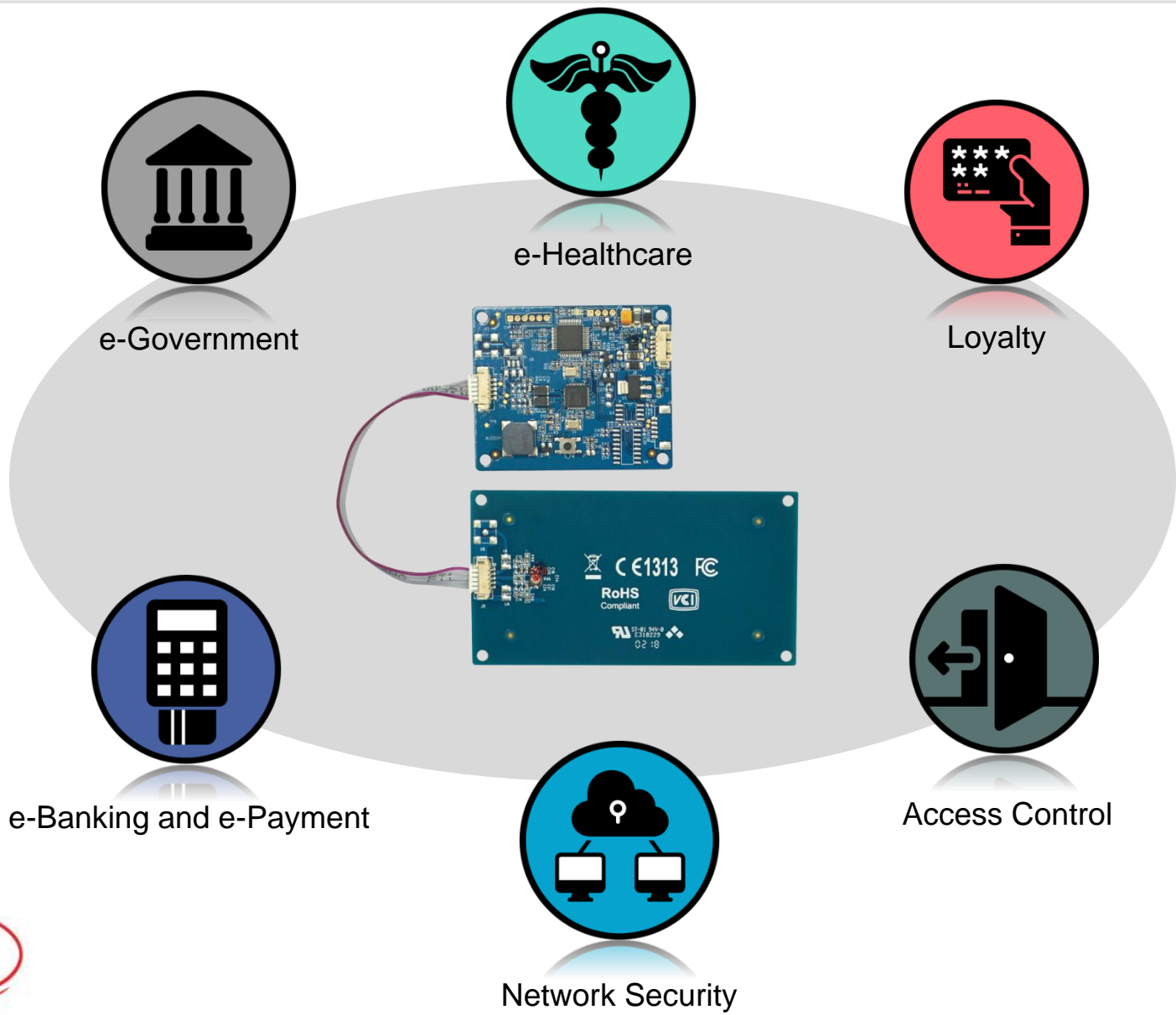- Driver-free - The CCID driver is installed through Windows Update.

Product Application

In what areas can the ACM1252U-Y3 be used?

e-Government

e-Healthcare

Loyalty

e-Banking and e-Payment

Network Security

Access Control

Compliance & Certifications

Compliance & Certifications

Thank You!

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