



# ACM1252U-Y3

USB NFC Reader Module with Detachable Antenna Board



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Card & Reader Technologies

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# Product Overview



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

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

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.

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



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# What are the Key Features of ACM1252U-Y3?



**Firmware Upgradable via USB Interface**

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

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

**User-controllable Peripherals**  
Bi-color LED  
Buzzer

**Detachable Antenna**

**Fast Access Speed**

**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 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®  
Solaris  
Android™

# Product Key Features



The ACM1252U-Y3 offers advanced NFC features 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.

- ACM1252U-Y3 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 ACM1252U-Y3?

## NFC Support

Supports the three NFC modes namely: Card Reader/Writer, Card Emulation, and Peer-to-Peer Communication

## 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.

## 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 (Upon Request)

## 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 ACM1252U-Y3?



E-Government



e-Banking



Smart Poster



P2P Communication



Loyalty



Network Security



E-Healthcare



Access Control

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# Compliance/Certifications



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# OS Support



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# Compliance / Certifications



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# Thank You!

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**For more information, visit:**

[ACM1252U-Y3 Page](#)



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