



**Advanced Card Systems Ltd.**  
Card & Reader Technologies



# ACM1281U-C7

USB Contactless Reader Module with SAM Slot

**A Product Presentation**





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# Product Overview





# Product Overview

## ACM1281U-C7 USB Contactless Reader Module with SAM Slot

The ACM1281U-C7 has an integrated (on-board) antenna and comes with an optional USB cable. It also has an ISO 7816 Compliant built-in SAM (Secure Access Module) slot which can be used together with a SAM card for enhanced security.

With a maximum of 848 Kbps high-speed communication ability for contactless cards, it is suitable for smart card applications like vending machine payment systems, kiosks, gaming machines and other integrated systems.

This Smart Card Reader Module has additional features like firmware upgradability and extended APDU support. Post-deployment firmware upgrade is also supported, eliminating the need for additional hardware modification.

*Note: The optional USB cable is ordered separately. The USB cable is also detachable.*



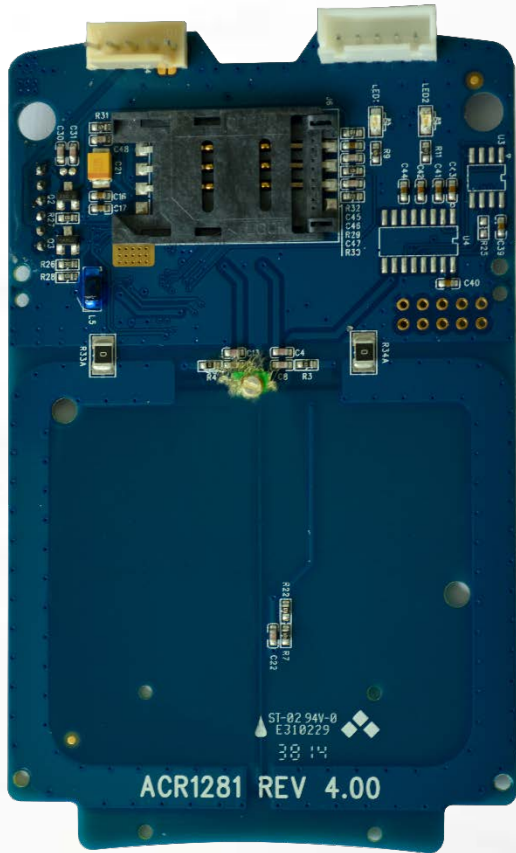
# Product Features







# What are the Key Features of ACM1281U-C7?



**Smart Card Interface**  
PICC (Contactless)  
SAM Slot (Contact)

**User-controllable Peripherals**  
2 LEDs (Red, Green)  
Buzzer

**High Speed Transaction**  
106 Kbps – 848 Kbps (Max.)

**Protocols and Standards**  
ISO 14443 ,ISO 7816 , PC/SC, CCID,  
CE,FCC, RoHS 2, REACH

**Firmware Upgradable  
via USB Interface**

**USB 2.0 Full Speed Interface**

**Supported Card Types**  
ISO 14443 Type A & B  
MIFARE, MIFARE Plus, MIFARE  
DESFire EV1

**Certifications/Compliance**  
ISO 14443, ISO 7816, PC/SC, CCID,  
CE, FCC, RoHS 2, REACH,  
USB Full Speed, Microsoft® WHQL

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





# Product Key Features

The ACM1281U-C7 USB Contactless Reader Module with SAM Slot, running on the 13.56 MHz frequency, is designed for fast and easy integration to embedded systems. With a maximum of 848 Kbps high-speed communication ability for contactless cards, it is suitable for highly demanding smart card applications.

- Supports ISO 14443 Type A & B, MIFARE, MIFARE Plus, MIFARE DESFire EV1
- Allows in-field firmware upgradability function to support any future enhancements
- Supports extended APDU





# Product Value







# What are the Key Benefits of ACM1281U-C7?

## Ease of Technology

The ACM1281U-C7 has an integrated (on-board) antenna and comes with an optional USB cable and has additional features like extended APDU support.

## Firmware Upgradeable

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

## Ease of Integration

- PC/SC Compliant Contactless Interface
- PC/SC Compliant SAM Interface

## PICC Support

- ISO 14443 Type A & B
- MIFARE, MIFARE Plus, MIFARE DESFire EV1

## High Speed Transaction

Baud rate up to 848 Kbps (contactless)

## High Security

SAM slot on board (Contact Interface)



# Product Application





# In what areas can we apply ACM1281U-C7?



Embedded in  
Kiosks



Embedded in  
Vending Machines



Embedded in  
Copying Machines



Transportation



Loyalty and Purse



e-Government



e-Healthcare



Physical  
Access Control



Banking and Payment



# Thank You!



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