



Advanced Card Systems Ltd.
Card & Reader Technologies



ACR120

Contactless Reader

A Product Presentation





Rundown

1. Product Overview
2. Product Feature
3. Product Value
4. Product Application
5. Q & A



Product Overview





Product Overview

ACR120 Contactless Reader

Belonging to the Contactless Smart Card Readers product line

Supports various contactless cards (Mifare series, etc.)

Has a built-in EEPROM to enhance security in transactions





Product Features





What are the Key Features of ACR120?



Smart Card Interface
PICC (Contactless)

Interface
USB / Serial

Access Speed
Up to 106 Kbps

Supported Card Types
ISO 14443 Type A and B
Mifare Classic

User-Controllable Peripherals
LED
Buzzer

Certifications/Compliance
CE, FCC, OFTA and ROHS

Protocols & Standards
ISO 14443
Mifare® Classic protocols
Mifare® DESFire protocols
Mifare Mini protocols



Product Features

LED

Indicates the operating status of the reader (reading/writing)

Indicates if the reader is well-connected to the PC or power outlet

Buzzer

Provides another indication if the card operation has succeeded or failed

EEPROM

An EEPROM is used to store security keys. This provides enhanced security because the ACR120 EEPROM is configured as a write-only module, therefore the leakage of keys is impossible.



Product Value





What are the Key Benefits of ACR120?

Two Interfaces

Both USB and serial interfaces are available to suit different environments

Built-In EEPROM

An internal EEPROM is provided to enhance security

Buzzer and LED

Indicators that give operation signals to users

PICC Support

Supports most of the ISO 14443 Type A and B cards, like Mifare Classic

Ease of Integration

Small module is available for integration on various systems





Product Application





In What Areas can We Apply ACR120?



Network Access



Vending Machines



Automatic Fare Collection

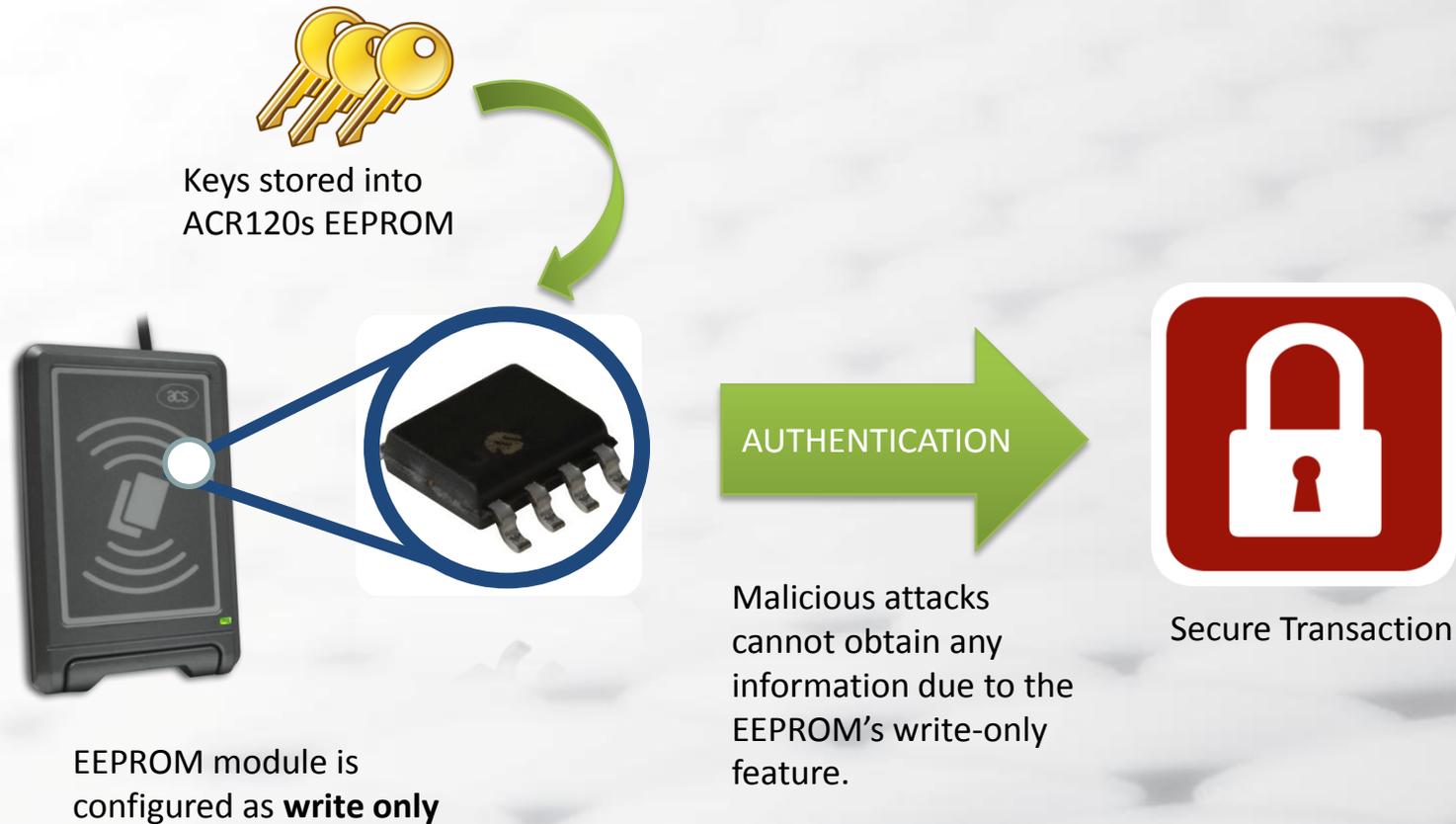


Physical Access





Product Application – EEPROM Security





Thank You!!!

More information on:

<http://www.acs.com.hk/index.php?pid=product&id=ACR120>

