



Advanced Card Systems Ltd.
Card & Reader Technologies



ACR120

Contactless Reader

A Product Presentation



www.acs.com.hk

Rundown



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Product Overview

ACR120 Contactless Reader

Belonging to the Contactless 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
ISO14443 Type A and B
Mifare Classics

User Controllable Peripherals
LED
Buzzer

Certifications/Compliance
CE, FCC, OFTA and ROHS

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



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 with different environments

Built-in EEPROM

An internal EEPROM is provided to enhance security

PICC Support

Supports most of the ISO14443 Type A and B cards, like Mifare Classics

Buzzer and LED

Indicators that give operation signals to users.

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

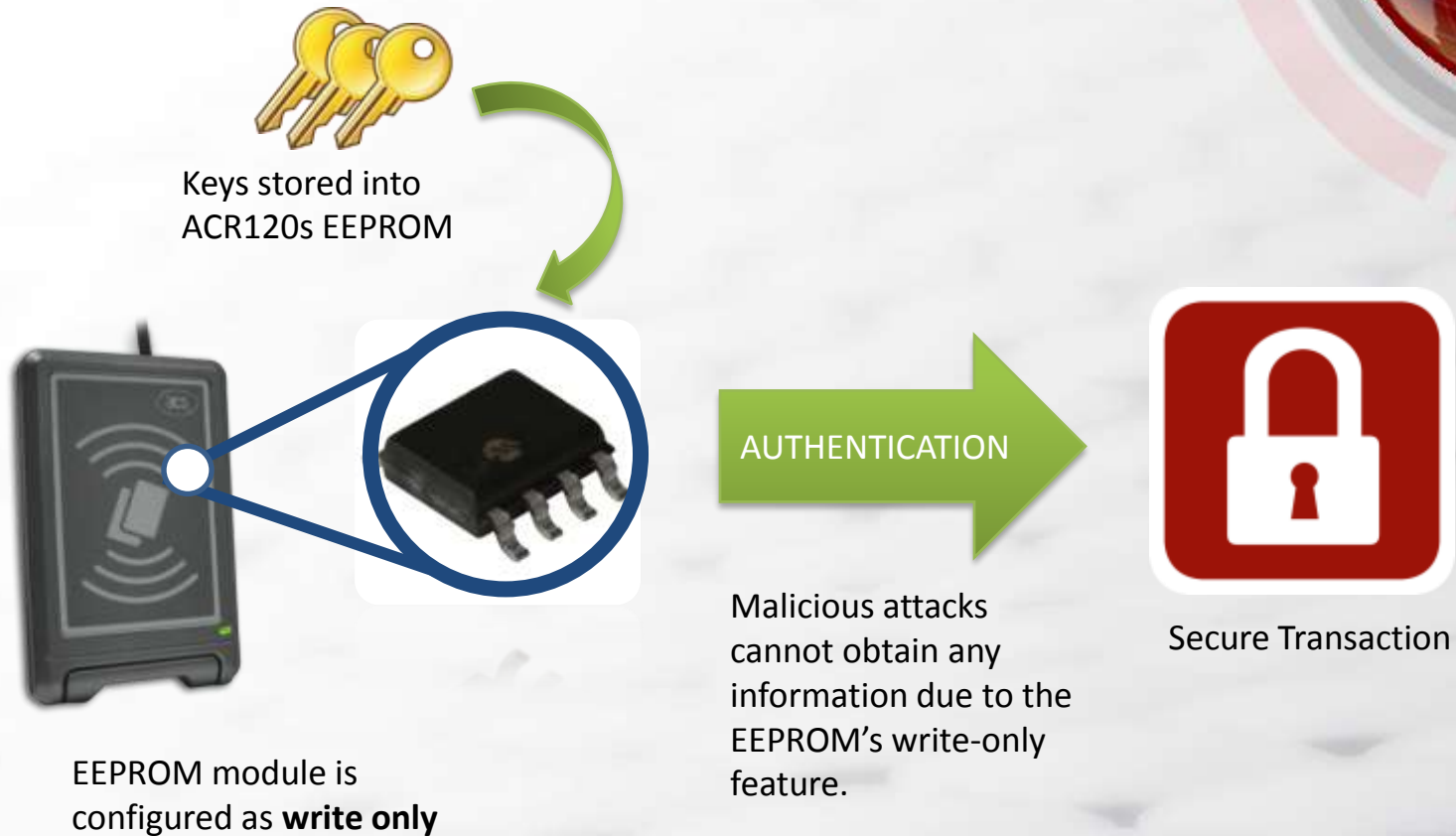


Automatic Fare Collection



Physical Access

Product Application – EEPROM Security



Thank You!!!

More information on:

<http://www.acs.com.hk/acr120.php>

