



Advanced Card Systems Ltd.
Card & Reader Technologies



ACR83 PINeasY

PINPad Smart Card Reader

Product Presentation



www.acs.com.hk

Rundown

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





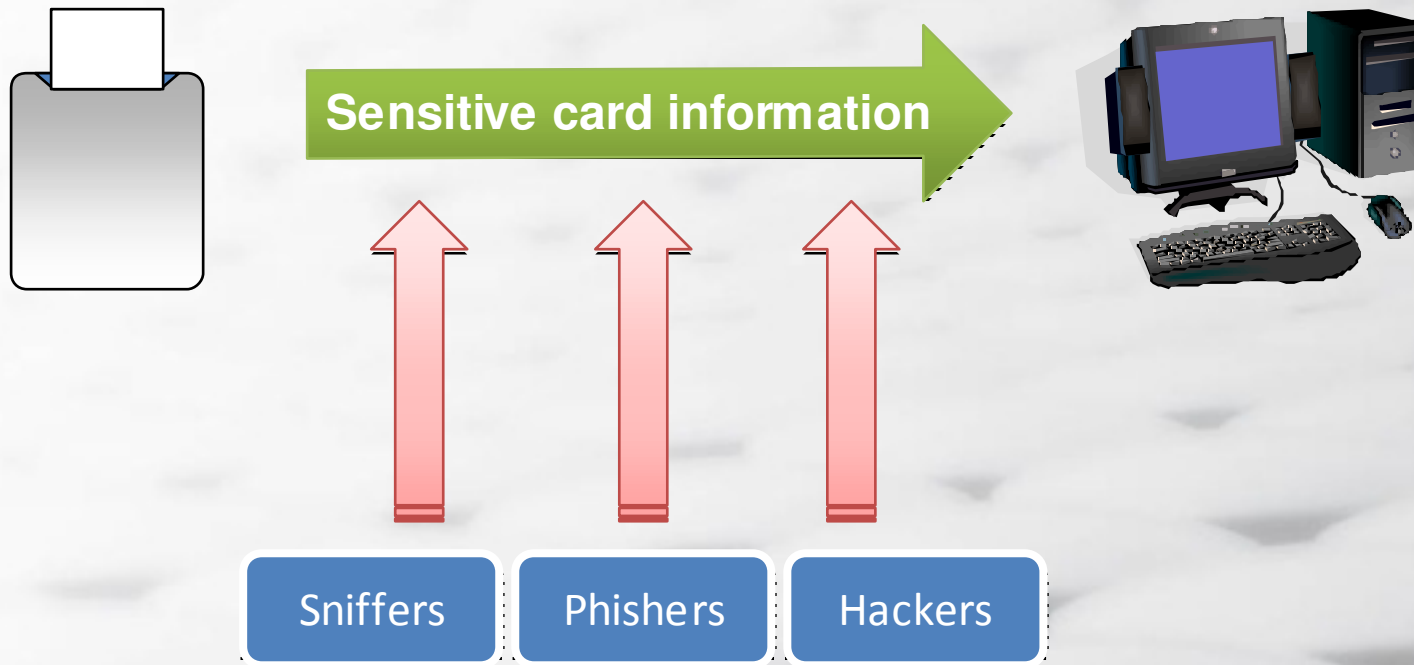
Product Overview



Product Overview

Regular Smart Card Readers

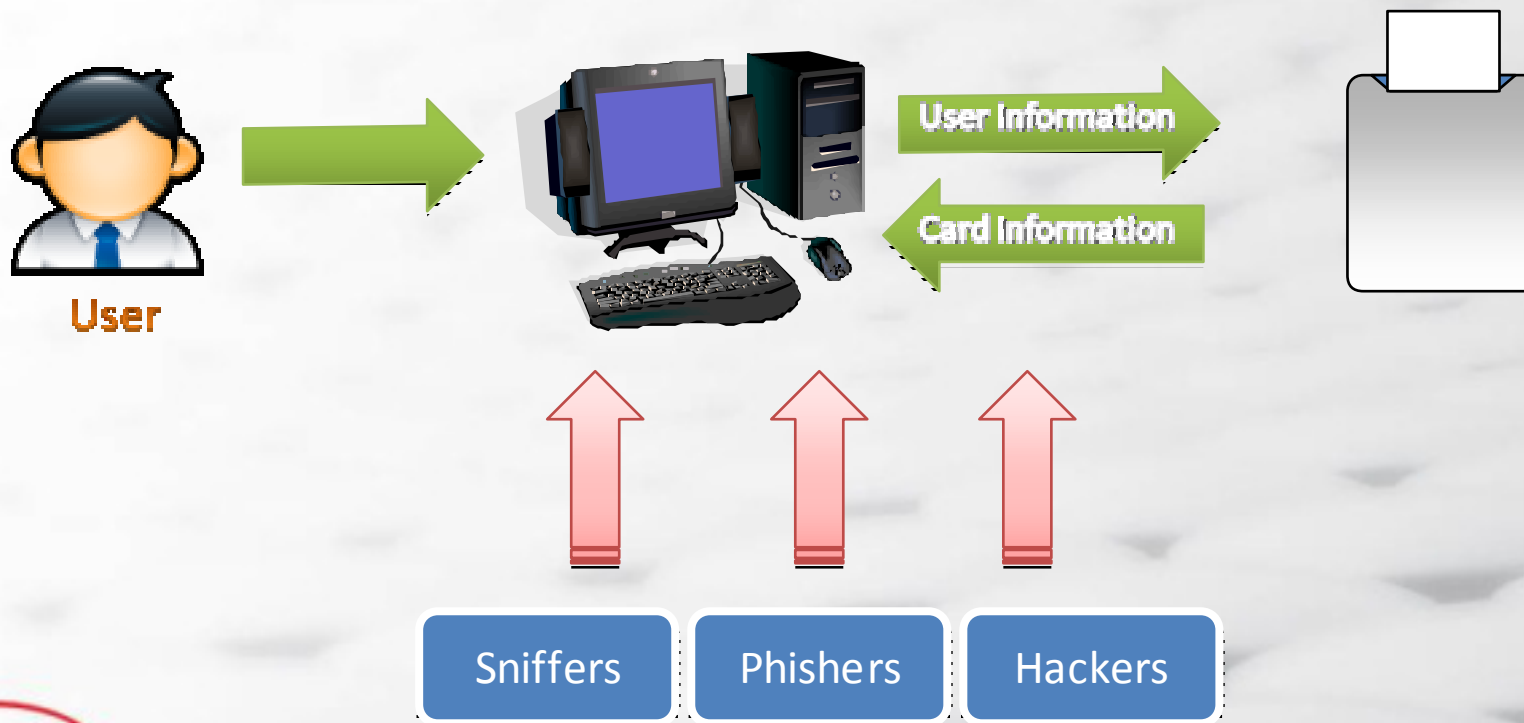
Ordinary smart card readers, read data from card and send data to PC
→ sensitive information can be vulnerable to security attacks



Product Overview

Regular Smart Card Readers

Data has to be passed to the PC because the reader has no user interface, i.e. keyboard, monitor, where user can see and input data.



So how to fight off these malicious attacks?

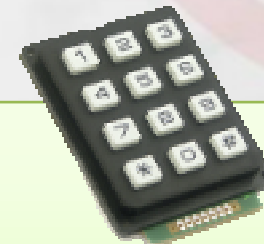
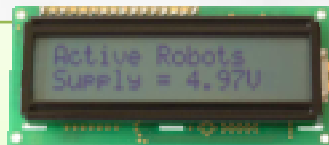
To have a device that has a:

- Smart card reader
- Keyboard / PIN-pad where users could input simple passwords
- Monitor / LCD where the user could see the information
- Secure PIN Entry
- On-device authentication



Product Overview

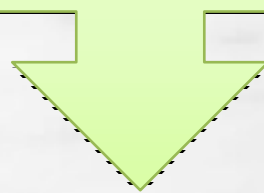
The Solution



ACR38 PC-Linked Reader

LCD

Keypad



ACR83 PIN-Pad Reader
(PINeasy)





Product Features

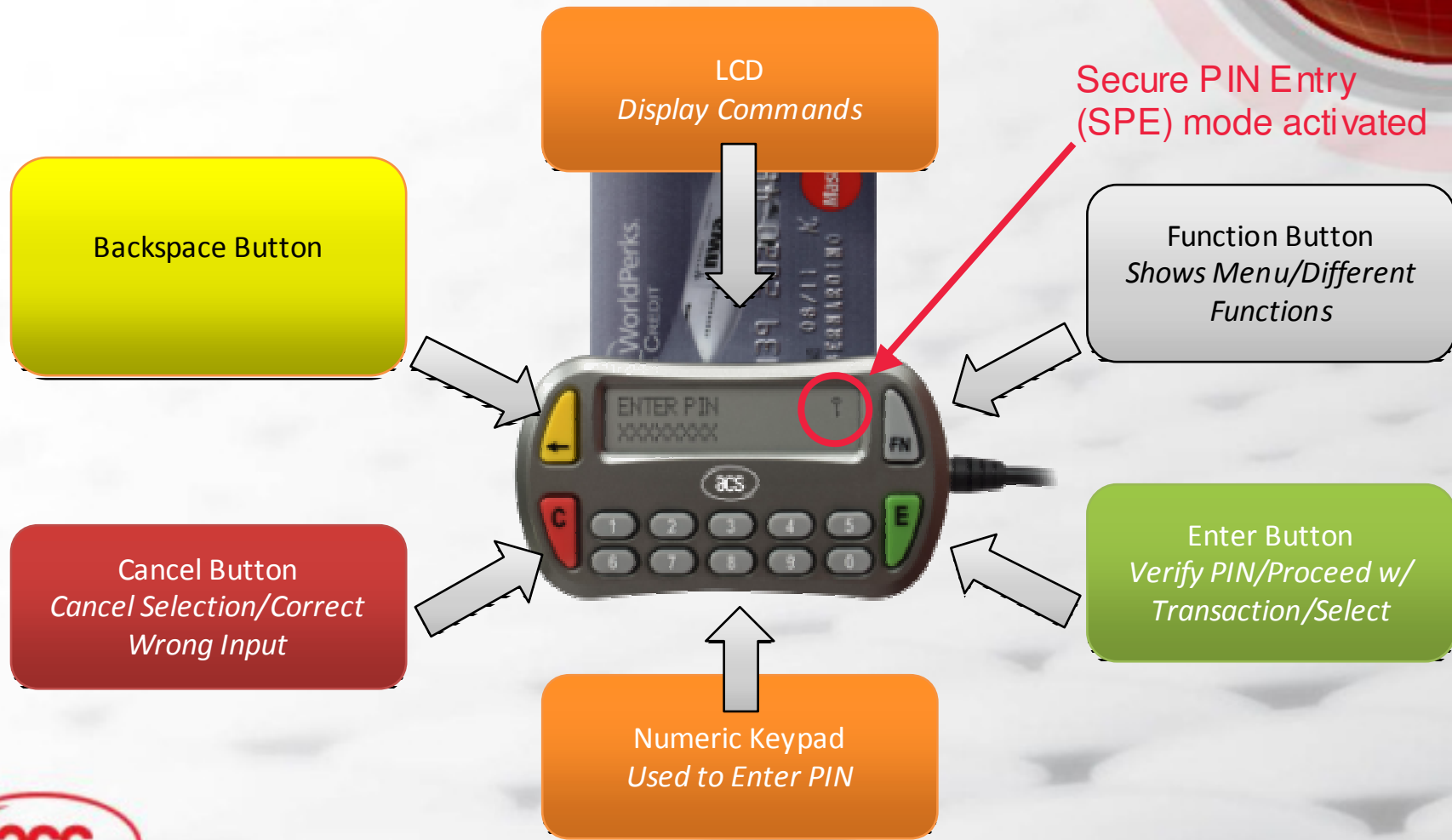


Product Features

- Operate in online mode
- USB Full Speed (12Mbps)
- 14-key keypad
- 2 rows x 16 characters dot matrix LCD
- Support
 - Full-sized MCU cards (T=0, T=1 protocols)
 - ISO7816 class A, B and C (5V, 3V, 1.8V) Cards
- Support PPS (Protocol and Parameters Selection)
- Support Secure PIN Entry (SPE)
- ISO-7816, PC/SC. EMV Level 1, CE, FCC , WHQL & RoHS compliant



Component Functions





Product Value



What are the Key Benefits of ACR83?

One of the smallest PIN-Pad readers in the market



**Fitting on your hand palm.
High portability**

Compliant with major computing, banking and safety standards



E-Banking safety/confidence

Secure PIN entry



The PIN is entered into the secure ACR83 PINeasy rather than the vulnerable PC or workstation, hence eliminating the possibility that a Virus/Trojan or USB Sniffer gets hold of the sensitive PIN!





Product Application



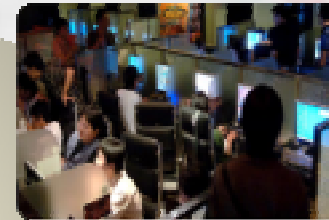
In what areas can we apply ACR83?



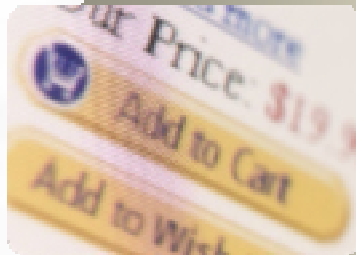
Windows Logon



Corporate Security



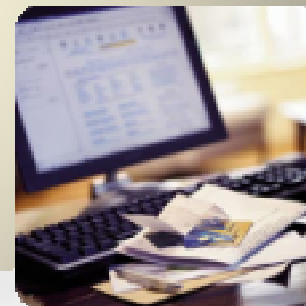
Online Gaming



eCommerce



Loyalty System

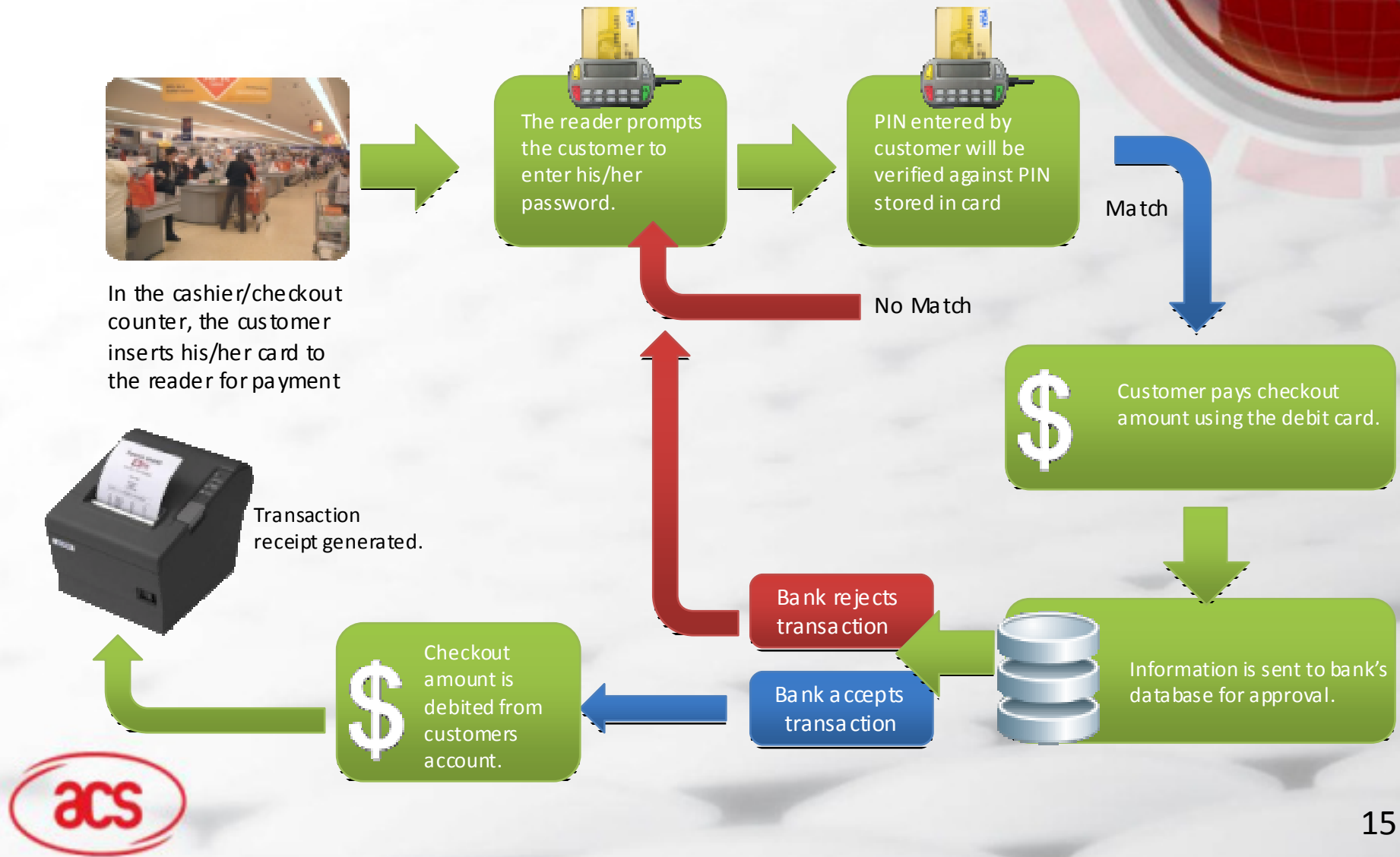


Home Banking



How to Use ACR83 - Overview

Sample Scenario: Grocery Payment Scheme



Thank You!!!

More information on:

<http://www.acs.com.hk/acr83.php>

