Advanced Card Systems Ltd.
Card & Reader Technologies

ACR83

PINEasy Smart Card Reader

Product Presentation

www.acs.com.hk

Rundown

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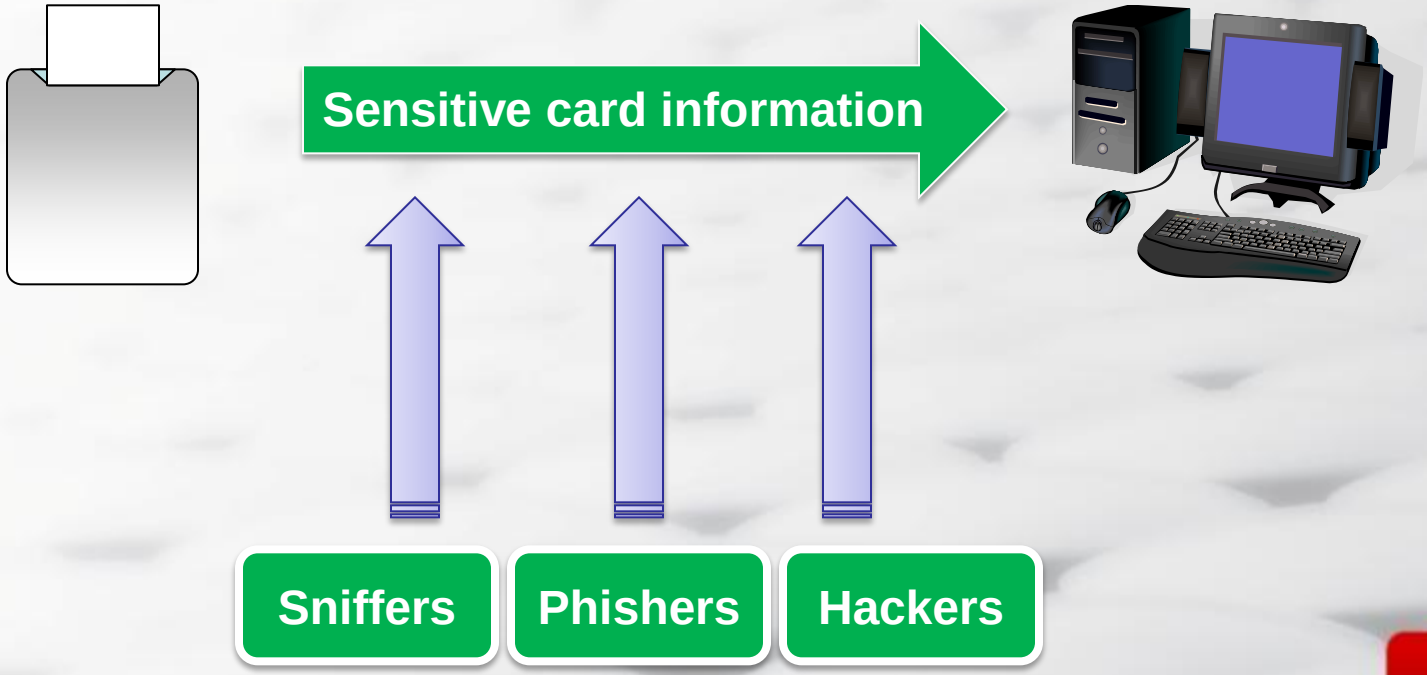
Product Overview

Product Overview

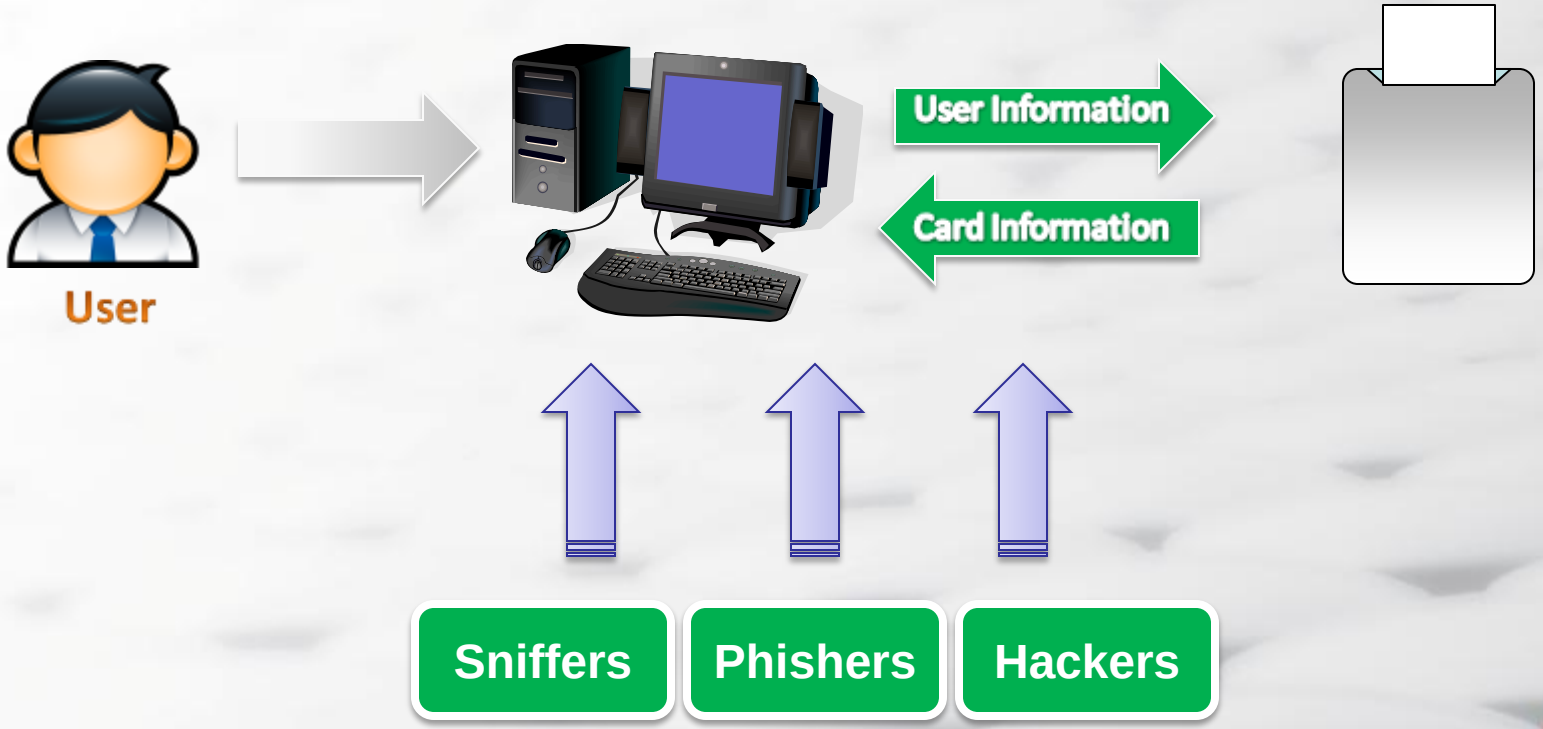
Regular Smart Card Readers

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



Product Overview

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.



Product Overview

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**

The Solution

ACR38 PC-Linked Reader

LCD

Keypad

Smart Card Readers with PINpad

Product Overview

ACR83 - PINeasy

The ACR83U-A1 is a USB smart card reader featuring a full-size smart card, keypad and LCD display. It also supports Secure PIN Entry that allows the PIN to enter on its keypad and then authenticated within the device.
Bring Security at just the palm of your hand.

Product Features

What are the Key Features of ACR83U-A1

Operate in Online Mode

USB Full Speed (12Mbps)

14-key Key Pad
2 x 16 Rows dot matrix LCD

Supported Card Types
- Full sized MCU cards with T=0, T=1 protocols
- ISO 7816 Class A, B and C

Support Secure PIN Entry

Certifications/Compliance
ISO 7816, PC/SC, CE, FCC, WHQL, EMV L1, EN 60950, & RoHS

Supported OS
- Win 98, ME, XP, Vista & 7
- Windows Server 2003, Server 2008 & Server 2008 R2

Product Value

Product Benefits

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 ACR83U-A1?

e-Government

e-Payment

e-Healthcare

Customer Loyalty

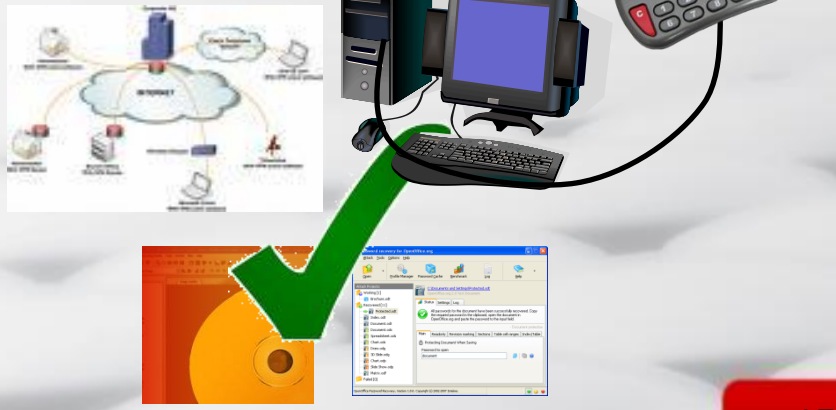
Transportation

ACR83U-A1 Sample Application

1. Contact user's card and readers can be provided for free for all cardholders as perks.

2. Enter PIN with keypad

3. If authenticated , user can proceed with transaction in the internet anywhere, anytime



5. Transaction successful

Thank You!!!

More information on:

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