



Advanced Card Systems Ltd.
Card & Reader Technologies



PCMS

PC-linked Reader with Mass Storage

A Product Presentation





Rundown

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2. Product Features
3. Product Value
4. Product Application
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Product Overview





Product Overview

The PC-linked Readers with Mass Storage line is a family of Contact Smart Card Readers in Token form.



ACR100F
SIMFlash



ACR100H
SIMFlash



ACR100I
SIMFlash II



ACR101
SIMicro



Product Overview

The PC-linked Readers with Mass Storage Family is a line of products that features plug-in (SIM-sized) smart card readers with memory storage.

Token-sized, USB plug-and-play SIM card reader with memory for secure zero-footprint applications and e-transactions (e.g., Secure E-Taxation involving Digital Signature)



Product Overview



ACR100F SIMFlash

The ACR100F is a SIM-Sized Smart Card Reader that supports smart cards conforming to ISO 7816 and is also CCID compliant for a plug and play experience.



Product Overview



ACR100H SIMFlash

The ACR100H is the HID version of the ACR100F. It has a NAND flash for memory storage.



Product Overview



ACR100I SIMFlash II

In addition to its smart card reading ability, the ACR100I SIMFlash II has an embedded MIFARE chip for contactless applications.



Product Overview



ACR101 SIMicro

In addition to the embedded MIFARE chip, the ACR101 SIMicro also features a Micro-SD card slot for memory capacity flexibility.



Product Features





Key Features of ACR100



Plug and Play

CCID/HID compliance reduces driver installation issues

Disk Partitioning Options

Various options for partitioning the flash drive into up to 3 areas

Built-in Flash Drive

Maximum of 8 GB memory

Certifications/Compliance

ISO 7816, PC/SC, CCID, HID,
Microsoft® WHQL, CE, FCC,
RoHS

Supported Card Types

- Plug-in (SIM-sized) smart cards
- ISO 7816 Class A, B & C cards
- Microprocessor cards with T=0, T=1 protocols
- Memory cards using Synchronous Card APDU (for CCID version only)
- Specification 11.11-compliant GSM cards

Operating System Support

Windows® CE, Windows® 98,
Windows® ME, Windows® 2000,
Windows® XP, Windows Vista®,
Windows® 7, Windows® 8,
Windows® 8.1
Windows® Server 2003, Windows®
Server 2008, Windows® Server 2012,
Windows® Server 2003 R2, Windows®
Server 2008 R2,
Windows® Server 2012 R2
Linux®, Mac OS®, Android™ 3.1 and
above



Key Features of ACR1001



Plug & Play

CCID support brings utmost mobility

Built-in Flash Drive

Built-in NAND flash memory with maximum of built-in 8 GB flash memory

Disk Partitioning Options

Various options for partitioning the flash drive into up to 3 areas

Contactless Functionality

Embedded MIFARE Classic (1K) Chip

Certifications/Compliance

PC/SC, CCID, Microsoft® WHQL CE, FCC, RoHS, VCCI

Supported Card Types

- Plug-in (SIM-sized) smart cards
- ISO 7816 Class A, B & C cards
- Microprocessor cards with T=0, T=1 protocols
- Memory cards using Synchronous Card APDU
- Specification 11.11-compliant GSM cards
- PPS (Protocol and Parameters Selection)

Operating System Support

Windows® CE, Windows® 98, Windows® ME, Windows® 2000, Windows® XP, Windows Vista®, Windows® 7, Windows® 8, Windows® 8.1
Windows® Server 2003, Windows® Server 2008, Windows® Server 2012, Windows® Server 2003 R2, Windows® Server 2008 R2, Windows® Server 2012 R2
Linux®, Mac OS®, Android™ 3.1 and above



Key Features of ACR101



Interface

USB Combo Device

Safe and Convenient Usage

Short Circuit Protection Feature
Lightweight Device

Contactless Functionality

Embedded MIFARE Classic 1K Chip

Plug-and-Play Support

CCID Compliance

Certifications/Compliance

PC/SC, CCID, Microsoft® WHQL
CE, FCC, RoHS, VCCI

Supported Card Types

- Plug-in (SIM-sized) smart cards
- ISO 7816 Class A, B & C cards
- MCU cards with T=0, T=1 protocols
- Most memory cards (for CCID version only)
- Spec. 11.11-compliant GSM cards
- PPS (Protocol and Parameters Selection)

Operating System Support

Windows® CE, Windows® 98, Windows® ME, Windows® 2000, Windows® XP, Windows® Vista®, Windows® 7, Windows® 8, Windows® 8.1
Windows® Server 2003, Windows® Server 2008, Windows® Server 2012, Windows® Server 2003 R2, Windows® Server 2008 R2, Windows® Server 2012 R2
Linux®, Mac OS®, Android™ 3.1 and above



Product Value





Product Benefits

Cost-Effective

A compact and powerful device that integrates different features into one device

High-speed I/O Operations

Can support Smart Card R/W
Speed of up to 9 Mbps/3Mbps

High Security

- Data that is saved into the memory is encrypted
- Can accommodate Public Key Infrastructure to maximize data protection



Product Applications





In what areas can we apply PCMS?



Network Security



Public Key Infrastructure



E-Payment



E-Government



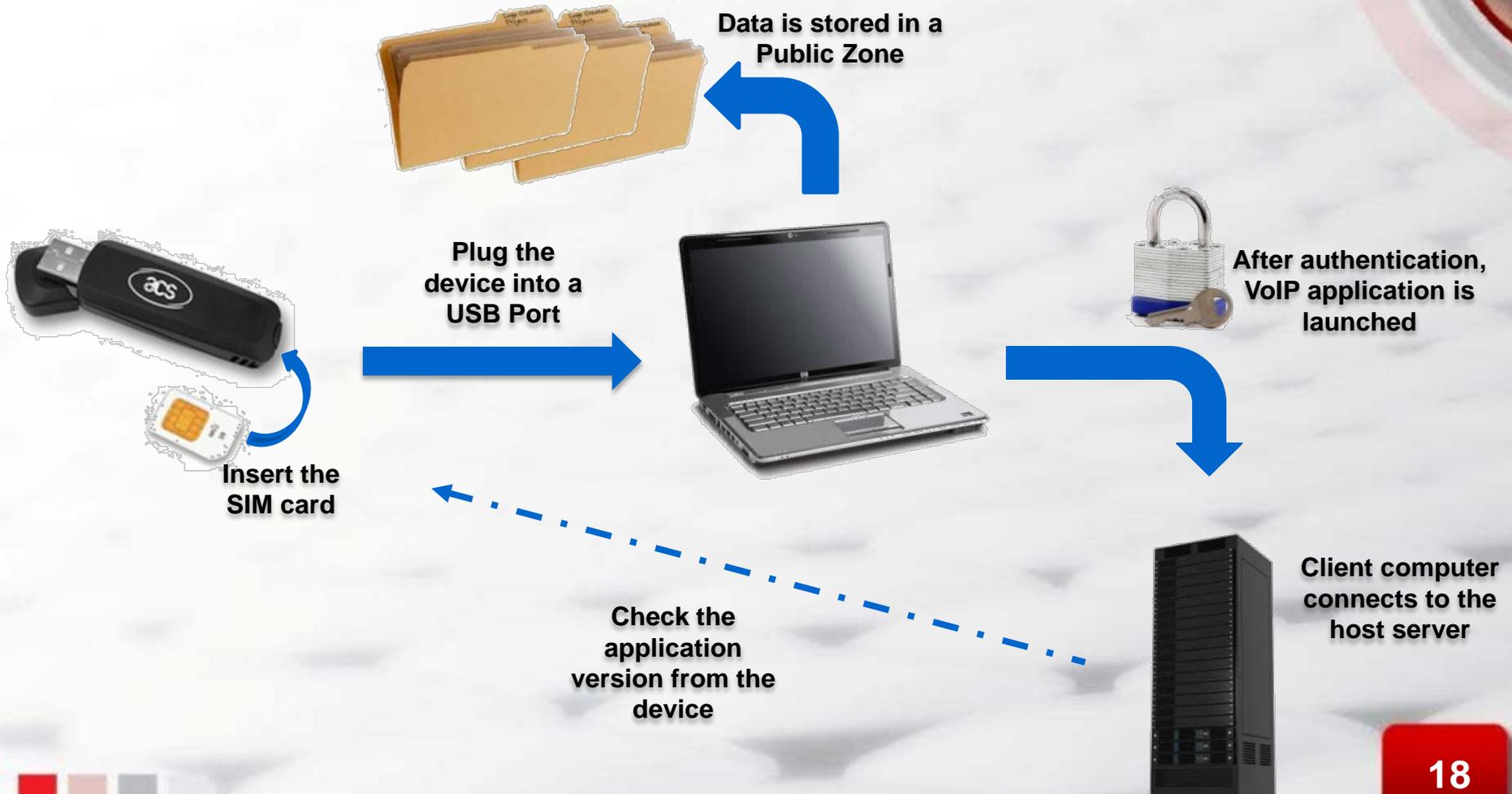
Telecommunications



Data Storage

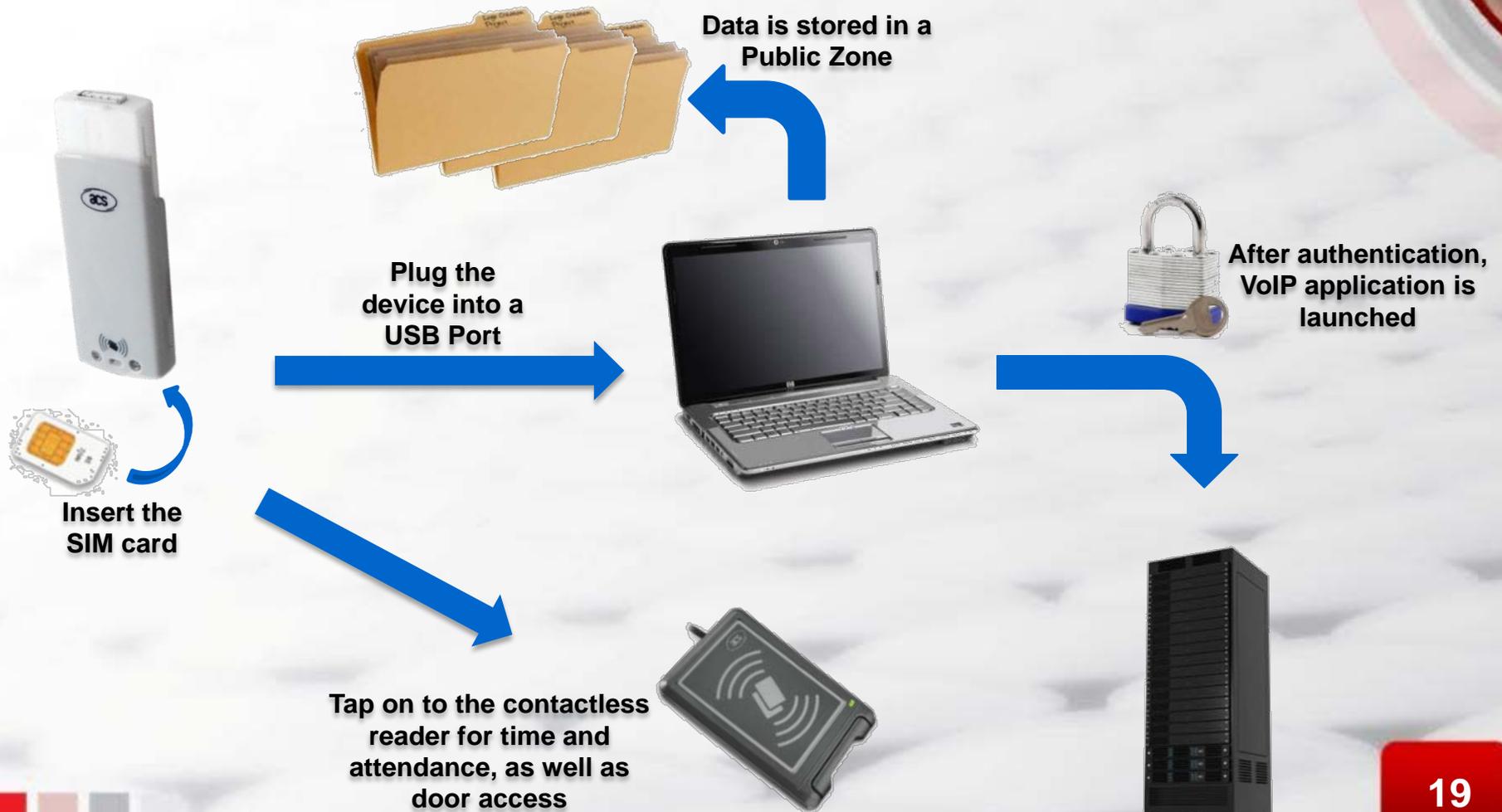


ACR100 Sample Application



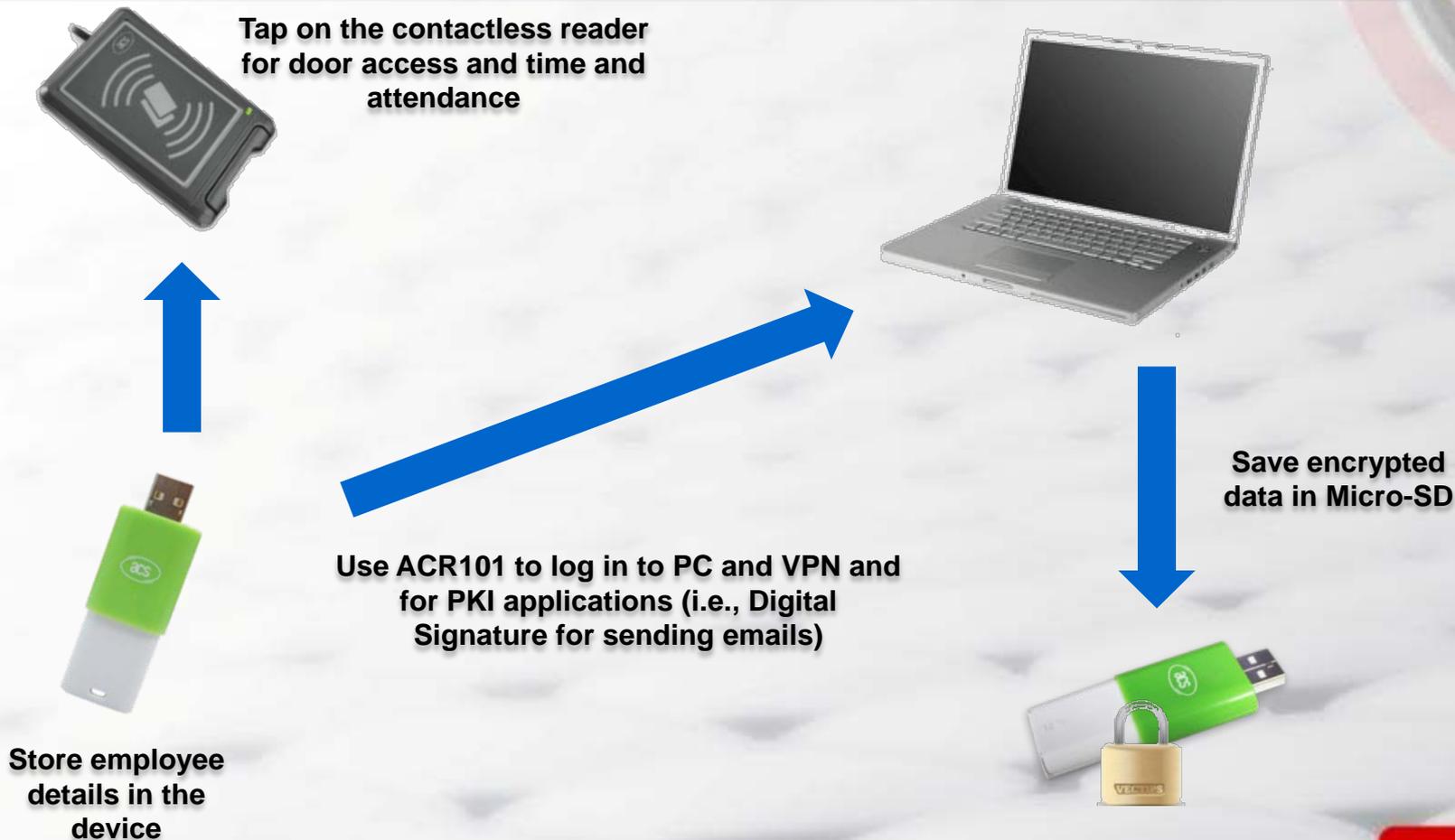


ACR100I Sample Application





ACR101 Sample Application





Thank You!



For more information, visit:

<http://www.acs.com.hk/en/product-lines/8/pc-linked-readers-with-mass-storage/>