



Advanced Card Systems Ltd.
Card & Reader Technologies



ACOS3X-256

ACOS3 eXpress MICROPROCESSOR CARD

A Product Presentation



www.acs.com.hk

Rundown

1. Product Overview
2. Product Feature
3. Product Value
4. Product Application





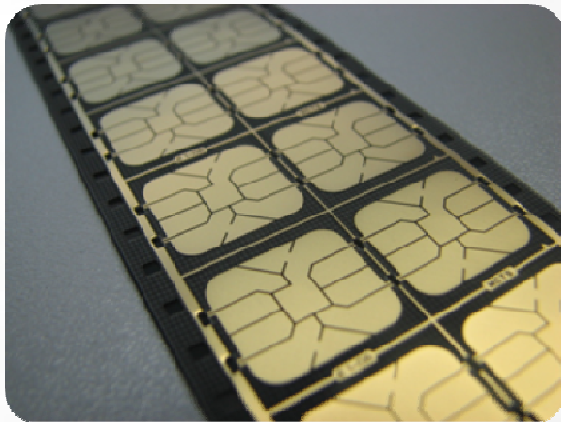
Product Overview



Product Overview

ACOS3X Series (256KB EEPROM)

Versatile ACS Card Operating Systems version3 eXpress Smart Card



Module



Full-Sized Card



SIM-Sized Card





Product Features



Key Features of ACOS3X

ACOS3X

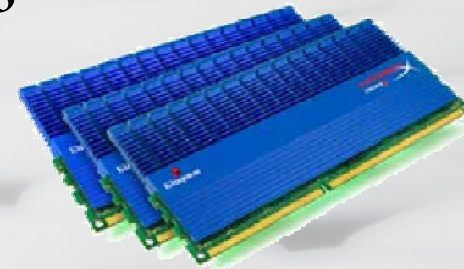
- ACOS3 eXpress (ACOS3X)



Fully compatible to ACOS3



Hardware 3DES Crypto



Memory up to 256K

Key Features of ACOS3X

Ultra High User Memory – 256KB !

International Standard
Compliance —ISO 7816-1/2/3

Protocol T=0

File Systems: Supports Binary file +
Linear fixed record



ISO-7816 8 - contact module

Strong Hardware Cryptographic
Capabilities: DES + 3DES

MAC for Data Integrity
Secure Messaging for Data
Confidentiality

Fast communication speed: up to
223,200bps (configurable)

Configurable ATR
Backward compatible with ACOS3





Product Value



Product Value of ACOS3X

Ultra-High User Memory

High user memory with 256KB EEPROM allows user to create up to 128 files.

High-speed card (up to 223,200 bps)

With DES and 3DS Hardware crypto-Engine, ACOS3X performs fast processing power on any commands for high security smart card applications

Binary (Transparent) File Support

Can store large data such as images & fingerprint templates without breaking data off into segments of record lengths before writing to the card

Secure Messaging Support

Secure messaging encrypts all the data between the card and the terminal so that no one can intercept to read/modify the data as it passes through the computer

SAM (Secure Access Module) card availability

ACOS6 SAM card (64K) available - designed to be used as a general cryptogram computation module or as the security authentication module for ACOS3X client cards. The ACOS6 SAM card securely stores cryptographic keys and use these keys to compute cryptograms for other applications or smart cards.





Product Application



ACOS3X Application



Network Security



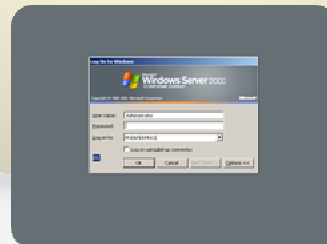
Loyalty



Payment system /
e-Purse



Corporate Security



Windows Logon
(Custom)

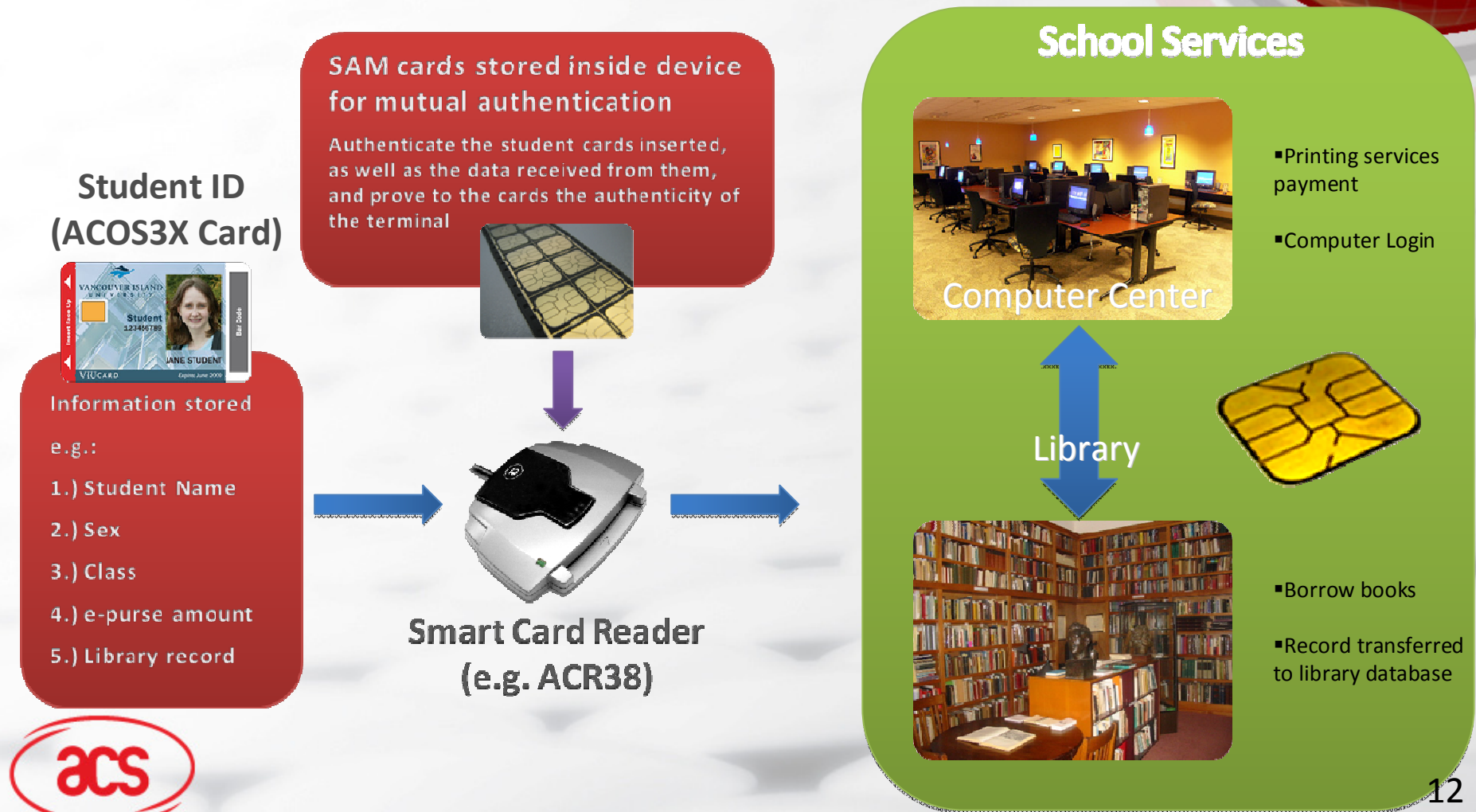


Physical Access Control



ACOS3X Application Example

Sample Scenario: Student Card Application



Ordering Information



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Products	Description
ACOS3X-256-GP	ACOS3 eXpress Micro-processor cards with 256KB EEPROM, glossy, PVC
ACOS3X-256-SIM-GP	ACOS3 eXpress Micro-processor cards with 256KB EEPROM, plunge SIM size, glossy, PVC
ACOS3XM-256	ACOS3 eXpress Micro-processor card modules with 256KB EEPROM
ACOS6-64-SAM	Micro-processor based secure access module cards with 64K EEPROM, plunge SIM size, glossy



Thank You!!!

More information on:

<http://www.acs.com.hk/product.php?pos=ACOS3X>

