



**Advanced Card Systems Ltd.**  
Card & Reader Technologies



# ACR38 Series

## PC-Linked Readers

### Product Presentation





# Rundown

1. Product Overview
2. Product Feature
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# Product Overview



# Product Overview

The ACR38 Series is a family of Contact Smart Card Readers sharing the same core



# Product Overview

The ACR38U series is a PC-linked smart card reader supporting full-sized smart card in reader form factor



Ipod Casing



Spaceship Casing



Cyber Casing



Bridge Casing



Piano Casing



Jacket Casing



Transformer Casing





# Product Overview



The ACR38 is the flagship product of ACS. It is a powerful and reliable smart card reader that supports smart cards conforming to ISO 7816.

The ACR38 default casing is the *Ipod* Casing



# Product Overview



ACR38UBMC

**The ACR38 also comes in a bridge casing for vertical insertion of smart cards**



# Product Overview



ACR38TFC SwivelPro

The ACR38 also has a token size form factor to ensure that the device can be used anytime, anywhere



# Product Overview



ACR38K - 104 keys



ACR38K - 105 keys

**Combine the functionality of a smart card reader and a PC keyboard for easy integration in a PC environment**



# Product Overview



**ACR38F**

The ACR38F is the ideal solution for easy integration of a smart card reader into the desktop environment.



# Product Overview



ACR38T *Icebar* Casing

**The ACR38T is a SIM-Sized  
Smart Card Reader.**



# Product Overview



ACR38DT

**The ACR38DT serves as a contactless card where in the embedded antenna coil inside the device enables the contactless part of the SIM-sized combi card to communicate with contactless readers.**





# Product Overview



ACR38ET DualKey2

Since the contact card's information is stored in the SIM card, while the contactless card information is stored in the ACR38ET itself, you can have a highly secure system based on data storage segregation.





# Product Features



# What are the Key Features of ACR38?



**Interface**  
USB 2.0 Full Speed

**Plug and Play Support**  
CCID Compliant

**Card Type Support**  
Full-sized cards  
ISO 7816 Class A, B, C  
MCU with T=0 and T=1 protocol  
Memory Cards

**Certifications/Compliances**

EMV Level 1  
RoHS  
CE,FCC  
Microsoft WHQL  
VCCI  
REACH  
FIPS 201 (SPC)

**OS Supported**

Windows 98, ME, 2000, XP,  
Vista 7, Server 2003, Server  
2008, Server 2008 R2  
Mac OS X  
Linux



# Product Value



# Product Benefits

## Cost-Effective

A powerful and durable which is also price competitive

## Reliable

Widely used and well tested for different applications

## Flexible

SAM Interface (Upon Request)  
Other form factors/casing designs  
Can be customized to use Landing Connector instead of Sliding

## High-speed I/O Operations

Can support Smart Card R/W Speed of  
1743 - 250,000bps  
Uses 12Mbps USB Speed



# **Product Application**





# In what areas can we apply ACR38?



Network Access  
Control



Digital Signature



Online Gaming



Payment system /  
e-Purse

**PIV Applications**

**PKI Applications**



eCommerce



Home Banking



GSM  
Management



Loyalty/Promotions

# ACR38 Sample Application



Government  
issues smart ID  
cards to citizens



Smart Card  
Readers are sold  
or awarded to  
citizens who  
participate in the  
program



## Government Services

Depending on the program, participants may benefit from applications such as digital signature, e-Commerce, parking, home banking, library card, etc.





# Thank You!!!

*More information on:*

*<http://acs.com.hk/pc-linked-smart-card-readers.php>*

