



Advanced Card Systems Ltd.
Card & Reader Technologies



ABR08 / ABR10

Balance Readers

A Product Presentation



Rundown

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Product Overview



Balance Readers

Hand-held value checkers for contact microcontroller and memory smart cards such as

- Shop loyalty cards
- Telephone prepaid cards
- E-purse cards
- Student ID cards





Common Uses

- Balance checking
- Recording and viewing transactions
- Identity verification
- Securing access, e.g. using the balance reader as an OTP (One-Time Password generator)



Security via Balance Readers

With good smart card program design, balance readers can serve as low-cost OTP generators, securing applications with no need for expensive software or server.

ACS can provide consultancy services on smart card program design.



Product Features



What are the Key Features of ABR08/10?



ABR08

- 8-digit display (numeric characters)
- Dimensions (in mm): 72.3 x 42.3 x 12.5
- Color: Silver
- Weight (including keychain): 25 g



ABR10

- 10-digit display (4 alphanumeric & 6 numeric characters)
- Dimensions (in mm): 72 x 30.5 x 12
- Color: Semi-transparent blue
- Weight (including keychain): 20 g

Alternative Features



Inexpensive security implementation
via making the balance reader function
as an OTP

General Features

- Pocket-sized
- Keychain provided
- Information is automatically displayed after card insertion
- Life expectancy: 2 years (assume 5 views/day)
- Easily replaceable 3-V lithium button batteries



Various Customization Options

- Number of display digits
- Alphanumeric display
- Logo printing
- Casing design
- Additional button/s & LED/s
- Types of cards supported (Memory or microcontroller cards, e.g. ACOS cards)
- Smart card programming consultation





Product Value

What are the Key Benefits of ABR08/10?

Improve authentication security using minimal resources

With a good smart card program design, balance readers can serve as low-cost OTP generators, securing applications with no expensive software and server necessary.

Build up customer loyalty

Issue loyalty cards and balance readers to your customers to encourage shopping habits in your shops!

Improve customer experience at a lower cost

Let your customers view their e-purse prepaid card balance anywhere, anytime through the affordable and handy balance readers!



Product Application



In what areas can we apply ABR08/10?



Low-cost OTP
Generator



Customer Loyalty
Program



ePurse, Card
Credit/Value Checker



Transaction Recorder
& Viewer

Thank You!!!

More information on:

<http://www.acs.com.hk/smart-card-balance-readers.php>

