



## ACR128-PC Linked Dual boost contactless smart card reader



### Product Information ➤

The **ACR128** is a dual interface smart card reader compliant to ISO 7816 Part 1-3 Class A, B standard for the Contact smart card and to ISO 14443 Part 1-4 Type A, B standard for the Contactless Card. By combining contact and contactless interfaces in one reader, **ACR128** is appropriate for situations where the environments favor dual interface applications. For example, you may use the ACR128 on the one hand to settle your online payment with contact EMV Level 1 cards, on the other hand to read the balance of your Mifare membership cards. Furthermore, it can also be used as embedded readers in bigger machines and systems such as vending machines, automatic fare collection systems, and public telephone systems.

**ACR128** is PC/SC Compliant for contact and contactless interfaces. It makes use of high-speed communication for PICCs (proximity or contactless cards) with maximum speed of 848 kbps like DesFire Cards. Furthermore, ACR128 has intelligent support for hybrid cards and combi cards and it is designed such that it can still detect a contactless card even if it is inserted in the contact card slot. As different applications require different levels of security and functionality, the **ACR128** has a built-in SAM card slot for added security. What is more is **ACR128** uses a landing type card acceptor which minimizes card damage for more reliable card operations.

### Technical Specification ➤

- . USB Full Speed (12 Mbps)
- . User-controllable monotone buzzer
- . Two User Controllable LEDS
- . Contact Smart Card Reader:
  - . Durable landing-typed Smart Card connector
  - . Built-in SAM card slot
- . Support major ISO7816 cards
- . Contactless Smart Card Reader:
  - . Built-in Antenna
  - . Support Major ISO14443 Type A/ B cards e.g. ST cards: ST176, SRIX512, SRIX4K
  - . Native T=CL support for ISO14443-4
  - . T=CL emulation for MIFARE Classic PICCs.e.g. MIFARE 1K, 4K, Mini and Ultralight
  - . High-speed communication (e.g. 424 kbps, 848 kbps)
- . Supports Multi-Block Transfer Mode
- . Intelligent Support for Hybrid Cards and Combi Cards.
- . PC/SC Compliant for Contact and Contactless Smart Card Interfaces
- . CCID Compliant
- . CE and FCC Standards
- . RoHS compliant
- . EMV level 1 (on request)

### Typical Applications ➤

- . Home Banking and Home Shopping
- . E-commerce
- . Checking the balance of electronic purses
- . Network access control
- . Parking and Toll Collection
- . Digital signature
- . Loyalty Program
- . Stored value
- . Vending machines