

ACR1281 Dual Interface Smartcard Development Kit



The ACR1281 USB SDK from ACS is an in depth development package combining both contact and contactless technologies. The kit contains a mix of contact and contactless smartcards, the ACR1281 dual interface reader from ACS and a wealth of development tools including demo programs, utilities and sample codes written in several programming languages providing users with a cost effective development solution.

The ACR1281 dual interface USB smartcard reader from ACS is the second generation of the ACR128 reader featuring improved performance and firmware upgradability. The ACR1281 reader is a dual interface USB PC-linked reader and is compliant to ISO 7816 for contact cards and ISO 14443 for contactless cards. The dual interface feature economically supports end-user environments where both contactless and contact smartcard technology may be in use. To ensure security within your applications the ACR128 has a built-in SAM card slot, for which an ACOS6 SAM card is supplied.

For a complete summary of the contents of the SDK CD click on the 'More info' button below.

This kit contains:

- 1 x ACR1281 Contactless Smart Card Reader
- 5 x 1K MIFARE contactless Cards

- 5 x ACOS3 32Kbytes Microprocessor-based cards
- 1 x ACOS6 SAM card
- 1 x SDK CD

Development kit based around the ACR1281 contact and contactless reader - a cost effective development solution for combined technology application areas.

To buy, visit:

<https://www.smartcardfocus.com/shop/ilp/id~617/acr1281-dual-interface-smartcard-development-kit/p/index.shtml>

This Product Briefing has been produced by Dot Origin Ltd, the smart card experts behind SmartcardFocus.com. If you have a query email sales@smartcardfocus.com or call us on +44 (0)1428 685250.

ACR1281

1 Year Manufacturers Warranty

Standards and Certifications:

ISO-7816 1-3 (contact card reader)

ISO14443 1-4 (contactless card reader)

PC/SC 2.01

CE

FCC

RoHS

Technical Specifications:

Connection method: USB

Supplied voltage: Regulated 5V DC

Supplied current: 200mA (operating); 50mA (standby)

Operating Distance: <= 50mm

Operating Frequencies for PICC: 13.56 MHz

Operating Frequency for ICC and SAM: 3.58 MHz

Operating System: Windows 98, ME, 2000, XP, Vista, 7

Features:

User-controllable monotone buzzer

Two User Controllable LEDS

Supports Multi-Block Transfer Mode

High-speed communication (e.g. 424 kbps, 848 kbps)

Support Major ISO14443 Type A/ B cards

Native T=CL support for ISO14443-4

T=CL emulation for MIFARE Classic PICCs., e.g. MIFARE 1K, 4K, Mini and Ultralight

Durable landing-typed Smart Card connector

Built-in SAM card slot

Support major ISO7816 cards

Built-in Antenna

SDK CD-ROM Contains:

(When purchased as part of an SDK)

Software drivers: Supports Windows2000, XP, 2003, and VISTA

Demo programs: ACR128 Multi-Application demo - shows a real world business application.

Utility Tools:

- ACR128 Tool - enables users to perform reader and contactless card (ISO 14443 Type A & B, MIFARE) related commands
- ACS Card Tool - allows users to send commands from a PC/SC compliant smart card reader to an ISO7816 compliant smartcard
- ACS QuickView - checks for proper driver installation
- ACS EasyKey - helps to change MIFARE security settings

Sample Codes: Demonstrates basic commands used to communicate with the ACR128 reader and the smart cards. Visual Basic 6, Visual C++ 6, Visual C++ 2005 (x64), Delphi 7, VB.NET 2005, Visual C# 2005

Reference Manuals: Easy to use reference manuals to help with the development process

Technical Specifications: Includes detailed technical specifications of all the contained products

Firmware upgradable

Manufacturer:ACS

Connection Method:USB Keyboard