

ACR39 Contact Smartcard Development Kit



The ACR39 development kit from ACS, based on the ACR39 series of USB smartcard readers, is a hugely popular kit offering a range of useful products bundled together with development tools, libraries and training materials. This kit provides both beginners and experienced developers with various valuable learning materials to accompany the hardware, and is great value for money.

The kit includes drivers, source code samples, training materials, tools and demonstration software applications on CD. Drivers and demo programs for Windows showcase the ACR39 features and capabilities as well as the included ACOS3 and SLE5542 smartcards. Further supplies of cards and readers are available from our store, as well as several reader models in alternative form factors.

The ACR39 series readers are fully PC/SC and EMV Level 1 compliant and support all ISO 7816 microprocessor-based smartcards as well as numerous popular memory cards.

SDK contains:

- 1x ACR39U-U1 USB reader
- 5 x ACOS3 cards

- 5 x SLE5542 cards
- Development CD

All ACR39 readers contain the same card interface chip with the same specifications housed in different casings. They are single chip solutions that have been certified by EMV Level 1, FCC, CE and Microsoft WHQL. ISO 7816, EMV & PC/SC compliant.

The ACR39 replaces the previous ACR38 range, with improved performance.

Development kit based around the ACR39 desktop contact smartcard reader - an ideal kit for creating various contact smartcard applications. Includes two types of smartcard and working demos/code.

To buy, visit:

<https://www.smartcardfocus.com/shop/ilp/id~849/acr39-contact-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.

ACR39 SDK

Reader(s)

1 x ACR39U Smart Card Reader supplied

(ACR38U-I1, ACR38U-N1, ACR39U-U1, ACR39T-A1 can also be supported)

Card(s)/Token(s)

5 x ACOS3 microprocessor-based Cards supplied

5 x SLE 5542 memory cards supplied

(SLE 5528 memory cards can also be supported)

CD-ROM includes

A comprehensive set of resources for the application developer, comprising:

- A universal ACS driver installer. Enables all ACS readers to run under various Windows operating systems.
- Sample codes in an array of programming languages. These code samples will help you to master card programming and PC/SC operations. There are sample codes to deal with manipulation of accounts, binary files, configuring answer to reset (ATR), creating files, reading and writing files, memory card programming, mutual authentication, encryption and secure messaging. These are provided in all of the following programming languages: Active X (x86 / x64), Java (x86 / x64), Linux C++ (x86 / x64) MS Visual Basic .NET 2013 (x86 / x64), MS Visual C# .NET 2013 (x86 / x64), MS Visual C++ .NET 2013 (x64), MS Visual Basic C++ 6.0 (x86)
- ACS Smart Card and Reader Tool. This allows you to perform all of the reader and ACOS3 card commands, with connections to numerous PC/SC compliant smart card readers, through a simple user interface.
- A range of other easy-to-use utilities, that will make it simple to check your reader is properly installed, will allow you to execute PC/SC-compliant Windows API smart card functions, and help you develop script command files to interact with smart cards. These utilities are called QuickView (checks reader installation), PCSC Learning Tool (helps with step-by-step use of PC/SC API) and Script Tool 4 (enables smart card control by script commands).
- A Software Development Kit User Manual and set of technical reference documents for the reader and cards supplied.

System Requirements

1 GHz Pentium Processor or higher

256 MB RAM

600 MB Free Hard Disk Space

CD-ROM Drive

USB Port

Microsoft .NET Framework 4.5 (to use the ACS Smart Card and Reader Tool)

Operating System support

Windows 10, 8.1, 7 (x86 and x64), Linux Ubuntu 16.04

Manufacturer:ACS

Connection Method: USB