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ACR100-Sim Flash (CCID) Software Development Kit



Product Information ➤

The Software Development Kit (SDK) enables you to efficiently develop new applications and systems or incorporate the ACR100 SIMFlash's powerful smart card reader-mass storage combination into your existing applications. Included in the package are sample cards, sample codes, tools and utilities, demo applications, freeware disk partitioning tools, and reference materials that will allow you to easily create an application using the ACR100 SIMFlash CCID version

SDK Contents ➤

ACR100 SIMFlash (CCID)

- USB combo device – works as smart card reader and mass storage
- USB 2.0 Hi-Speed interface for flash and USB 1.1 Full-Speed interface for smart card reader
- Bus-powered – no need for separate power supply or battery
- Plug and play – CCID support brings utmost mobility
- With protective USB cap and keychain loop
- Smart Card Reader:
 - Supports plug-in (SIM-sized) cards
 - Supports ISO 7816 Class A, B and C (5 V, 3 V, 1.8 V) cards
 - Read and write all microprocessor cards with T=0, T=1 protocols
 - Supports SLE 4418/28/32, SLE 5542 memory cards – for CCID version only
 - Supports most common memory-based smart cards, including I2C bus protocol cards (from 1k bits up to 1024k bits) and secure memory cards (Atmel AT88SC153 and AT88SC1608) – for CCID version only
 - Supports Spec 11.11-compliant GSM cards
 - Supports PPS (Protocol and Parameters Selection)
 - Short circuit protection
- Flash Drive:
 - Mass Storage Device Class compatible
 - Built-in 1-GB flash memory (Other memory sizes from 128 MB to 4 GB are available upon request)
 - Up to 3 partitions (private/security, public and CD-ROM/auto-run, and hidden)
 - Read/ Write Speed: Up to 9 Mbps / 3 Mbps (Faster speed available upon request)
- Compliant with the following International Standards: ISO 7816, PC/SC, Microsoft WHQL, FCC, CE and RoHS



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Test Cards

- 5 x ACOS3 microprocessor-based SIM-sized plug-in cards

CD-ROM

- **Demo program**
 - illustrates the versatility of the ACR100 SIMFlash (CCID) smart card reader
- **Tools & Utilities**
 - PCSC CardTool - tests the protocol transfer between the reader and the PC
 - PCSC Learning Tool - enhances your knowledge in showing you how to use the PCSC API's step-by-step and what parameter to use
 - QuickView- checks for proper driver installation
 - Scripting Tool - allows you to send a predefined sequence of smart card commands to your CPU cards
- **Sample codes**
 - Demonstrates basic commands used to communicate between readers and cards
 - Borland Delphi 7, MS Visual Basic 6.0, MS Visual Basic .NET, MS Visual C#, MS Visual C++ 6.0, MS Visual C++ 2005 (x64) and Java
- **Freeware**
 - o Freeware disk partitioning tools Format.exe and Lock.exe let you try partitioning the flash drive into public and security areas. To download freeware disk partitioning tools online, please click [here](#)
- **User Manuals and Reference Materials**