



ACR38-Smart card reader software development kit



Product Information ✚

The ACR38 smart card reader is a USB full speed device that acts as an interface for the communication between a computer and a smart card. It is designed for PC environment, and is the ultimate smart card peripheral for a PC. It is a low cost, yet reliable and effective smart card-to-PC interface with design focusing on convenient use and harmony with other PC peripherals in shape and color. It can be used as access control to a computer or network. It is also very simple to use and install. It is ideal for e-commerce, home banking or e-purse facilities, secure computer access or any of a multitude of other applications. Providing secure network computing environment by its data encryption function, the ACR38 Software Development Kit (ACR38 SDK) allows users to develop their own card-based application. With the smart card demo programs, reference materials, utility tools and sample codes stored in the SDK, developers can explore how the ACR38 and smart cards are brought forth to the security world

SDK Contents ✚

ACR38 Smart Card Reader

USB full speed interface to PC with simple command structure

- Read and write all microprocessor cards with T=0 or T=1 protocols
- Support SLE 4418/28/32/42/5542 memory cards
- Support 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**)
- Short Circuit Protection
- Certificate of conformance: EN 60950/IEC 60950, ISO 7816, PC/SC, CE, FCC, Microsoft WHQL, EMV certified
- ISO-7816 Class A, B and C (**5V, 3V, 1.8V**) cards
- Extra SAM slot is optional

ABR08LS Balance Reader

- Key-chain, pocket-sized
- Stylish casing design
- 8-digit LCD Display
- Long lasting battery
- Automatic display upon card insertion
- Support multiple information display



ACR38T Plug-in (SIM-sized) Smart Card Reader

- Full speed interface to PC with simple command structure
- Read and write all microprocessor cards with T=0, T=1 protocols
- Support Plug-in SIM-sized card
- Support SLE 4418/28/32/42/5542 memory cards
- Support 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**)
- Short Circuit Protection
- Certificate of conformance: EN 60950/IEC 60950, ISO 7816, PC/SC, CE, FCC, Microsoft WHQL, EMV certified
- ISO-7816 Class A, B and C (**5V, 3V, 1.8V**) cards

Test Cards

- 5 x ACOS3 Microprocessor-based Cards
- 5 x ACOS3 Microprocessor-based SIM-sized plug-in Cards
- 5 x SLE 4428 memory cards
- 5 x SLE 5542 memory cards

CD-ROM

- Software drivers
 - supports Windows 98, NT, 2000, 2003, XP, Vista, XP x64, Vista x64, and 2003 x64
- Demo programs
 - showcases ACR38 features and capabilities
 - e.g. e-purse, logical access control, etc.
- 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
 - Script Commander PCSC - allows you to send a predefined sequence of smart card commands to your CPU card
- Sample codes
 - Used to demonstrate basic commands used to communicate with the cards and readers
 - Visual Basic, Visual C++, Borland Delphi, VB.NET, C#
- Reference Manuals
- Technical Specifications