



ACR88- Pinpad Reader Software Development Kit



Product Information ➤

ACR88 is a versatile handheld portable reader, with built-in keypad, LCD, bi-color LED and buzzer features. It hosts non-volatile memory to give better support to your system. In addition, its on-board memory enables firmware and application enhancements that makes it future proof.

ACR88 is designed for multi-applications, e.g. loyalty and healthcare. It is capable of performing secure authentication, displaying rich information from the card and conducting online or offline transactions.

ACR88 is also programmable through ACR88 ScriptBuilder. Developers can now quickly build their own standalone applications according to easy-to-use and well-defined script commands provided by ACS. ACR88 promises limitless possibilities to any application that you want to develop. The ACR88 Handheld Portable Software Development Kit (ACR88 SDK) enables effective development of customized applications and systems by using smart cards, card readers, and PCs. It can serve as an ideal training and development tool for those who are interested in knowing smart card technologies

SDK Contents ➤

ACR88 PIN-Pad Reader

- Dual operation modes:
 - PC-linked: powered through USB
 - Standalone: powered through 3x AAA batteries
- Accepts ISO-7816 Class A, B (5V & 3V) cards: 2 full-size cards and 3 SAM cards
- Supports Memory-based smart cards (synchronous interfaces)
- Ergonomic and highly durable keypad
- Easy-to-read, graphical LCD with backlight
- Monotone buzzer with software controlled ON/OFF
- 3 bi-color LED
- Real-time clock (RTC) with independent backup battery
- Field upgradeable for firmware (requires a firmware upgrade cable)
- User Programmable for standalone program by using easy-to-use script commands
- Support Secure PIN Entry (SPE)
- Tamper detection switch which acts as an indicator if there is any unauthorized intrusion
- Hand-held size and weight
- (Optional) Non-volatile memory for font storage



Test Cards

- 5 x ACOS3 Microprocessor-based cards
- 5 x ACOS6 SAM cards

CD-ROM

- **Software drivers**
 - Supports Windows 98, Me, 2000, XP and Vista
- **Demo programs**
 - Multi-application Demo - demonstrates how the ACR88 device is used in real-world applications. It is a 3-part demo which includes the e-purse, healthcare card and taxi meter applications.
 - Functional Demo - demonstrates different API functions of the ACR88 device: e.g. Port, Device, LCD, Key Pad, Real-Time Clock, etc.
 - Taxi Payment Stand-alone Demo
 - Traffic Violation Stand-alone Demo
- **Tools & Utilities**
 - CardTool - allows you to send commands to any PC/SC compliant smart card reader, and to any ISO 7816 T=0 compliant smart card.
 - PCSC learning - teaches you how to use the PC/SC APIs step-by-step and what parameters to use
 - QuickView - checks for proper driver installation
 - SmartFlash - allows you to upgrade the firmware version of the ACR88 device
 - ACR88 ScriptBuilder - allows you to create, compile and download scripts to the ACR88 device.
- **Sample Codes**
 - Demonstrate the features of the ACR88 reader, e.g. Keypad, LED, LCD and Real Time Clock functions, and ACOS, memory and SAM cards
 - Delphi, Visual Basic, V.B.NET, Visual C++ & C#
- **Reference Manuals**
- **Technical Specifications**

Cables

- 1 Detachable USB cable
- 1 Firmware upgrade cable (For firmware upgrade only)

Case

- 1 Leather case for better protection