



Advanced Card Systems Ltd.
Card & Reader Technologies

ACR38 Smart Card Reader



Technical Specifications

Introduction



Due to the rising demand of e-working methods such as remote office and home banking and the increasing risk of unauthorized access to private network, it is time to properly secure access to PCs, desktops, and Intranet and Extranet networks. The ACR38 Series offers solutions to such needs for secured access control based on the smart card technology.

The ACR38 smart card reader/writer is a USB full speed device which is the interface for the communication between a computer and a smart card.

With smart cards becoming an essential component in network security and electronic payment systems, the ACR38 Smart Card Reader emerges as an ideal partner for smart card-based applications in the PC environment. Providing secured network computing environment with its data encryption function, the device also comes with an SDK package that allows users to easily develop their own

applications to best meet their system's security needs.

Moreover, the ACR38 is a cost-effective, reliable and efficient smart card reader/writer, with a card-to-PC interface that is designed for convenient and complementary use with other PC peripherals. With its provision for smart card authenticity verification, it can be used for several applications such as access control to a computer or network (intranet, extranet, etc) and authentication for e-commerce (B to B, B to C). Finally, with the launch of ACR38 readers/writers that are reinforced with the CCID functionality and an extensive support for memory cards, the ACR38 Series is ideal for applications such as electronic commerce, home banking, e-purse facilities, secure computer access, and other smart card solutions.

Smart Card Reader Features

The following is a list of the features of the ACR38:

Features	Firmware 1.10	Firmware 1.12c
1. PS/SC	✓	✓
2. CCID	*	✓
3. WHQL Certified Drivers	✓	✓
4. CE and FCC	✓	✓
5. VCCI	✓	✓
6. RoHS	✓	✓
7. EMV Level 1	✓	✓
8. ISO 7816 (Class A, B, C)	✓	✓
9. MCU Card Support (T=0, T=1)	✓	✓
10. Memory Card Support	✓	✓
11. USB Full Speed	✓	✓
12. Short Circuit Protection	✓	✓

Typical Applications

- Home Banking and Home Shopping
- Electronic Commerce
- Checking the balance of account of re-loading an electronic purses
- Network access control
- S/W locking
- Digital signature
- Loyalty and promotions
- Stored value
- Identification
- Ticketing
- Parking and toll collection
- Online gaming

