

ACR-38F

Smart Card Reader/Writer

The ACR38F is the ideal solution for easy integration of a smart card reader into the desktop environment. It uses the same electronic circuit as the ACR38, and has the same versatility and cost-effectiveness that have always been associated with ACS smart card readers. Using the USB interface, it uses the PC's internal power supply, and can be configured in several ways to suit the customer's preference. Similar to ACR38, ACR38F Floppy Bay Smart Card Reader is also very simple to use and to install. It is ideal for electronic commerce, home banking or e-purse facilities, secure computer access or any of a multitude of other applications.



Standard Features:

- USB full speed interface to PC with simple command structure
- Read and write all microprocessor cards with T=0 or T=1 protocols
- Read and write popular memory card types
- Support 1.8V, 3V and 5V MCU cards
- Short Circuit Protection
- ISO7816-1/2/3 compatible smart card interface
- Support PPS (Protocol and Parameters Selection) with 1743 _ 250000 bps in reading and writing smart cards

Supported Card Types:

- MCU Cards
The ACR38F can operate MCU card with T=0 and T=1 protocol. The table presented in Appendix A (Reference Manual) explains which card type selection value must be specified for the various card types supported by the reader.
- Memory-based smart cards (synchronous interface)
Cards following the I2C bus protocol (free memory cards) such as: Atmel: _ AT24C01 / 02 / 04 / 08 / 16 / 32 / 64 / 128 / 256 / 512 / 1024 SGS-Thomson: ST14C02C, ST14C04C Gemplus:
GFM1K, GFM2K, GFM4K, GFM8K
SLE4432/4442 intelligent 256 bytes EEPROM with write protect function:
SLE4432, SLE4442

- SLE4418/4428 intelligent 1K bytes EEPROM with write-protect function: _ SLE4418, SLE4428
- Secure memory cards such as:
AT88SC153, AT88SC1608
- SLE4406/4436/5536 '104' type EEPROM non-reloadable token counter cards (for firmware version 1.10 onwards):
SLE4406, SLE4436, SLE5536

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

Note : All specifications are subject to change without notice



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