

ACR-38T

Smart Card Reader/Writer

The ACR38T smart card reader/writer is a USB full speed device. It is the interface for the communication between a computer and a smart card. It is specially designed for the PC environment and is an ultimate smart card peripheral for a PC.

It is an extremely compact USB device and is designed for SIM-sized smart cards (Plug-in card) access. With a size of only 67.4 mm x 23.0 mm x 7.8 mm, the ACR38T is highly suitable for portable applications, as it plugs into the USB port and requires no additional cable or wiring. It also supports smart cards that conform to the GSM 11.11 specification.

Standard Features:

- Full speed interface to PC with simple command structure
- Support Plug-in SIM-sized card
- Read and write all microprocessor cards with T=0, T=1 protocols
- Support most of the popular memory card types in the market:
 - 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
- Short Circuit Protection
- Certificate of conformance: ISO-7816, PC/SC, CE, FCC, Microsoft WHQL, EMV certified
- Support ISO-7816 Class A, B and C_ (5V, 3V, 1.8V) cards



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

Interface	USB
Supply voltage	Regulated 5V DC
Supply current	max. 50mA
Operating Temperature	Temperature : 0°~50°C
CLK frequency	4 MHz
Standards Certifications	EMV Level 1, ISO-7816 Class A, B and C_ (5V, 3V, 1.8V), PC/SC, CE, FCC, Microsoft WHQL 2K, XP
Operation System support	Windows 98, ME, NT, 2000, XP



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