

# ACR-38DT

Dualkey

Smart Card Reader/Writer



ACR38DT offers both logical and physical access control solutions based on SIM-sized combi smart card (contactless and contact card).

The ACR38DT contactless/contact dual-interface token is an extension of ACR38T Plug-in Card Reader. It has full ACR38T functionalities with contactless value-added feature.

i) Serves as a plug-in (SIM-sized) card reader:

It is an extremely compact USB full speed device fully compatible with the ACR38 smart card reader and is designed to access SIM sized smart cards (Plug-in card). With a size of only 82.5 mm x 21.3 mm x 9.4 mm, the ACR38DT is highly suitable for portable applications, as it plugs into the USB port and requires no additional cable or wiring. It also fulfills the GSM 11.11 specification. It is designed for PC environment, ultimate smart card peripheral for a PC.

ii) Serves as a contactless card:

While the ACR38DT serves as a contactless card, the embedded antenna coil enables the contactless part of the SIM sized combi card to work as a contactless card to communicate to contactless readers.

ACR38DT dual-interface token is a good quality, reliable and effective reader with designs focusing convenient use and harmony with other PC peripherals in shape and color. It is ideal for electronic commerce, physical access control, home banking or e-purse facilities, secure computer access, transportation and GSM application tool.

## Standard Features:

- USB full speed interface to PC with simple command structure
- Support Plug-in SIM-sized card
- Read and write all microprocessor cards with T=0 or 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
- Network access control
- Digital signature
- Identification
- Ticketing
- Parking and toll collection
- Online gaming
- Transportation
- Physical access control

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



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