

# ACR-38ET

Dualkey 2

Smart Card Reader/Writer



To effectively deter hacking or unauthorized access to company assets, a need for an effective device to guard the physical and logical access is imminent. With ACR38ET, you can safeguard the access to PCs, desktops, Intranet & Extranet networks, physical doors, safes, databanks, etc., with supreme confidence. With that power, ACR38ET is astonishingly simple having innate contactless card functionalities and requiring simply a SIM-sized smart card for contact card functionalities.

The ACR38ET DualKey2 is an extension of ACR38T SIMTracker II. 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 completely compatible with the ACR38 smart card reader and is designed to access SIM-sized smart cards (Plug-in card). With a size of only 78.73 mm x 21.50 mm x 11.00 mm, the ACR38ET 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 the PC environment, and is an ultimate smart card peripheral for a PC.

ii) Serves as a contactless card:

While the SIM-sized card enables the contact card security benefits, the ACR38ET is virtually a Mifare card token. Make use of this feature, and you may benefit from the speed and convenience contactless technologies can bring.

Since the contact card information is stored in the SIM card, while the contactless card information is stored in the ACR38ET itself, you can have a highly secure system based on data storage segregation.

ACR38ET DualKey2 is a good quality, reliable and effective reader with designs focused on convenient use and harmony with other PC peripherals in terms of shapes and colors. 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
- Supports Plug-in SIM-sized card
- Read and write all microprocessor cards with T=0 or T=1 protocols

- Support SLE 4418/28/32/42 memory cards
- Supports the most common memory-based smart cards, including I2C bus protocol cards (from 1k bits up to 1024k bits) and secure memory cards (Atmel AT88SC153 and AT88SC1608)
- Support ISO-7816 Class A, B and C<sub>-</sub> ( 5V, 3V, 1.8V ) cards
- Support GSM 11.11 specification
- Requires no additional cable
- Short Circuit Protection
- Supports PPS (Protocol and Parameters Selection) with 1,743,2250,000 bps in reading and writing smart cards

## Typical Applications:

- Home Banking
- E-commerce
- Network access control
- Digital signature
- Identification
- Ticketing
- Parking and toll collection
- Online gaming
- Automatic Fare Collection
- 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 <sub>-</sub> ( 5V, 3V, 1.8V ), PC/SC, CE, FCC
Operation System support	Windows 98, ME, NT, 2000, XP



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