

ACR-38K

Smart Card Reader/Writer

The ACR38K Multimedia Keyboard offers you with specialized keyboard setting, accessing every function in just one key-press, plus a classy multimedia controller. This package also comes with a card reader that enables you to easily implement smart card-based systems. The ACS smart card readers utilize the latest advancement of microchip technology, that brings you high security for your confidential files in a convenient and easy to carry microchip smart card. The software drivers and tools in this package will enable you to write files to your smart card and to read the contents.

You can also write protect the contents of your smart card so that nobody can erase or overwrite the files.

Combined with our versatile smart card reader/writer, using the ACR38 module, the keyboard is transformed into a highly powerful component for security, e-commerce, and other applications.

Keyboard Features

- USB interface with 18 multimedia hot keys support (back, forward, stop, refresh, search, favorites, home, mute, volume-, volume+, previous track, stop, play, next track, media, calculator, my computer)
- 4 programmable keys
- ACPI power management key support: power, sleep and wake up
- Fixed wrist rest

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
- 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 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	5V DC
Supply current	max. 50mA
Operating Temperature	Temperature : 0°~40°C
Multimedia Hot Key	18 keys
Key Numbers	108/109/113 (US/EU/JP)
Switch Mechanism	Membrane
Switch Reliability	10 million cycles
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
Dimensions	475mm (L) X 254mm (W) X 50mm (H)



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