

BioSIMKey ADT60

Fingerprint Scanner and Plug-in Smart Card Reader

The BioSIMKey is an extremely compact device integrating a fingerprint scanner and a smart card reader. It is the latest innovation in biometrics and smart card technology through the joint development of STMicroelectronics (ST) and Advanced Card Systems Ltd (ACS).

Combining the functions of ACS' versatile ACR30 reader and ST's patented TouchChip technology, the BioSIMKey is a compact USB device that can scan fingerprints and accept plug-in smart cards. By using fingerprints to replace passwords or PINs, this device harnesses the power of biometrics and smart cards to provide a highly secure, yet convenient and affordable authentication process. It is an ideal solution for a wide range of security-dependent applications.

Typical Applications:

- Remote electronic voting
- Secure home-banking
- Secure E-commerce
- Computer system logon

Features

- Smallest integrated fingerprint scanner/smart card reader in the market today
- High-speed USB interface
- Requiring no additional power supply
- Portable and easily transferable from one PC to another

Fingerprint Scanner

- High-resolution 508 DPI imaging
- Utilizes ST's patented TouchChip technology, resulting in high quality fingerprint images in any environment

Smart Card Reader

- ISO 7816-3 and PC/SC compliant
- Supports all micro-controller cards, with T=0 or T=1 protocols

Security Features Possible

- Encrypted fingerprint template stored inside smart card
- Session key generation among smart card, BioSIMKey Processor and host computer
- Unique bonding between the smart card and BioSIMKey

Technical Specifications

Physical dimensions	71.5x32x16.5mm
Supply Voltage	Regulated 5V DC
Supply Current	< 100mA (without smart card)
Operating Temperature	0 - 50 °C
Standards / Certifications	ISO 7816-3, CE, FCC, PC/SC
Operating System Support	Windows 98, Me and 2000

System Requirements

- IBM-Compatible Personal Computer with Intel 486Processor or higher
- Microsoft Windows 98/Me/2000
- Minimum 16MB RAM
- Available USB port

ACS is a member of the Microsoft Smart Card Associates Program.
ACS won the "1999 Hong Kong Awards for Industry in Technological Achievement".

Advanced Card Systems Ltd.

acs

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