

ADT60 BioSIMKey Fingerprint Scanner and Plug-in Smart Card Reader



ADT60 BioSIMKey

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 (SIM-sized) smart cards. By using fingerprints to replace passwords or PINs, this device harnesses the power of biometrics and smart cards, and provides a highly secure, yet convenient and affordable authentication process. It is an ideal solution for a wide range of security-dependent applications.

Using a simple Application Programming Interface (API), it is extremely easy for designers to integrate the fingerprint authentication features into their applications. The developer can develop the interface very quickly without an in-depth knowledge of biometrics.

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

- Support smart cards that conform to ISO7816 standard
- PC/SC compliant
- Support all micro-controller cards, with T=0, T=1 protocols

Security Features Possible

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

Typical Applications

- Remote electronic voting
- Secured e-commerce
- Secure home banking
- Computer system logon

Technical specification

Interface	USB
Supply Voltage	Regulated 5V DC (USB powered)
Active Sensor Size	12.8 mm x18.0 mm
Array Size	256 x 360 pixels
Image Resolution	508 DPI
Physical Dimensions	71.5 mm (L) x 32.0 mm (W) x 16 mm (H)
CLK Frequency	4 MHz
Standards / Certifications	ISO 7816 (interface), PC/SC, CE, FCC
Operating System Support	Windows 98, Me, 2K and XP