# SPR337

## USB Combo Fingerprint & Smart Card Reader

## Overview

The SPR337 combines a high performance biometric identification solution with smart card security using SCM Microsystems' STC II micro controller. Designed with customization in mind, this reader can use many of the leading fingerprint sensors available, as well as meeting customer casing, logo, and color requirements. Additionally, the SPR337 is fully compatible with both the industry standard biometric and smart card API's and will work with any application designed with these standards in mind. Software Developer Kits and onboard flash for firmware updates ensure compatibility with any future software releases. Overall, the SPR337 provides the best high performance, cost effective biometric/smart card security solution in the market.

## SPR337 Benefits

- Designed to use many of the biometric industry's leading fingerprint sensors, based on customer's needs
- On-board flash provides seamless firmware upgrades in the field
- Interfaces seamlessly with applications using the AuthenTec®'s  biometric API and smart card PC/SC or CT-API
- Fully tested and compliant with all major smart cards in the market
- Customizing options: casing, colors, and company logo

# SPR337

## Technical Data

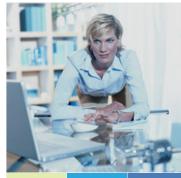| | |
|---|---|
| Host Interface | • Full Speed USB (12 Mbps)<br>• High Bus powered device |
| Smart Card Interface | • T=0, T=1 protocol support<br>• Communication speed up to 344,105 bps (PPS, FI parameter)<br>• Frequency up to 12 MHz (PPS, DI parameter)<br>• Support ISO 7816 Class A and AB smart card<br>• CCID compliant |
| Smart Card Connector | • 8 contacts - ISO location<br>• 100,000 insertions<br>• Sliding contact |
| Sensor information | • AuthenTec® AES4000<br>• up to 250 ppi resolution<br>• up to 52 frames/sec capture rate<br>• 96 x 96 pixel detection matrix<br>• ESD resistant: ICE 61000-4-2 Level 4 |
| Human Interface | • 1 dual state LED for smart card<br>• Bi color LED ring for fingerprint |
| Cable/Power | • 1.5 m with USB type A connector·<br>• Power through USB bus |
| Dimensions | • LWH 104 x 72 x 30 mm, weight 120 grams |
| Operating Temperature | • 0° to 50° Celsius |
| OS | • Windows® 98, ME, 2000, XP, Server 2003 |
| API | • PC/SC<br>• Biometric API compliant with AuthenTec®'s SDK |
| Approvals | • FCC Class B part 15, UL/cUL, CE,VCCI<br>• Microsoft® WHQL 2000, XP, Server 2003<br>• USB |

Technical data are subject to change without notice.

## The SCM Microsystems' Advantage

SCM Microsystems brings over a decade of experience in ASIC and smart card reader development to this unique product. With its dedicated Research and Development team, and a true global presence, SCM Microsystems delivers high quality products catering to the various requirements in the security field. SCM offers customization of products to suit application needs.

Typical advantages of an SCM Microsystems product include:

• More than 80 patents

• High quality mass production capability

• Industry endorsed SmartOS™ middleware

• Support for all current and emerging international standards

• Customer base of global, top tier PC OEMs, systems integrators and smart card industry leaders

• Direct significant long-term relationships with all leading smart card manufacturers and application providers