

SPRx32

Keep your PIN code safe – Universal Connectivity



Overview

The SPRx32 is based on SCM Microsystems' STC II micro controller. This device supports multiple interfaces, multiple reader devices and relevant security standards. Together, these features provide SCM Microsystems with the unique ability to offer an efficient, high performance, cost effective solution that combines USB and serial connections via a removable cable (SPR532). The SPRx32 is specifically designed to protect your PIN code from theft or unauthorized sources while connected to the network. It provides the next level of security by allowing your PIN code to be entered locally and safely on the reader itself without being transmitted to your untrusted PC. The SPRx32 is ideal for secure web access, online banking and sensitive database access such as personnel or healthcare records. On-board flash enables future firmware and application enhancements that guarantee against obsolescence.

SPRx32 Benefits

- Secure PIN entry to smart card
- On-board flash provides seamless secure firmware upgrades in the field
- EMV Level 1 AND PC/SC certification based on a single solution
- Common Criteria (CC EAL 3+ High) certified
- USB (SPR332) or Dual host interface (USB and RS232, SPR532)
- High performance
- Fully tested and compliant with all major smart cards in the market
- Customizing options: casing, colors, and company logo

PC Security Solutions

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design award
 winner
 2003



SPRx32

Technical Data

Host Interface	<ul style="list-style-type: none"> • SPR132: PnP RS232 (115,200 bps) • SPR332: Full speed USB (12 Mbps), bus powered • SPR532: Dual Mode (USB and RS232) • CCID compliant
Smart Card Interface	<ul style="list-style-type: none"> • T=0, T=1 protocol support • Memory card support through SCM MCARD API • Communication speed up to 344,105 bps (PPS, FI parameter) • Frequency up to 12 MHz (PPS, DI parameter) • Support ISO 7816 Class A and AB card
Smart Card Connector	<ul style="list-style-type: none"> • 8 contacts - ISO location • 100,000 insertions • Landing contact (sliding optional)
Human Interface	<ul style="list-style-type: none"> • 2 LEDs and buzzer indicating status • 3 x 4+1 keypad • Tamper evident
Cable/Power	<ul style="list-style-type: none"> • 1.5m long with USB type A connector or in Dual Mode also • 1.5m long with F-DB9 and Pass-through PS/2
Dimensions	<ul style="list-style-type: none"> • LWH 120 x 70 x 40 mm, weight 250 grams
Operating Temperature	<ul style="list-style-type: none"> • 0° to 50° Celsius
OS	<ul style="list-style-type: none"> • Windows® 98, ME, NT4, 2000 and XP • Windows® CE, MacOS X on request • Linux, Solaris on request
API	<ul style="list-style-type: none"> • PC/SC • CT-API (thru wrapper on top of PC/SC)
Approvals	<ul style="list-style-type: none"> • FCC Class B part 15, cULus, CE, VCCI • Microsoft® WHQL 2000, XP • USB • EMV Level 1 • Common Criteria EAL 3+ High • HBCI compliant

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

