

SPR532

Keep your PIN code safe - Universal Connectivity



PC Security Solutions

Overview

The class 2 smart card reader SPR532 is especially designed for home banking, e-Commerce or digital signature applications. It is specifically designed to protect your PIN code from theft or unauthorized sources while connected to the network. The PIN code is directly entered into the integrated keypad and sent to the smart card - without being transmitted to a PC.

The SPR532 is based on SCM's STC II micro controller chip with on-board flash. The on-board flash-memory enables seamless firmware upgrades in the field to adapt the reader to current requirements and prevent obsolescence.

The reader combines USB and serial connections via a removable cable.

SPR532 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
- Dual host interface (USB and RS232)
- High performance
- · Fully tested and compliant with all major smart cards in the market
- · Customizing options: casing, colors, and company logo



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SPR532

Technical Data

Host Interface	Dual Mode (USB and RS232) CCID compliant
Smart Card Interface	 T=0, T=1 protocol support Memory card support through SCM MCARD API Communication speed (USB) up to 344,105 bps and (serial) up to 115,200 bps (PPS, FI parameter) Frequency up to 8 MHz (PPS, DI parameter) Support ISO 7816 Class A and AB card
Smart Card Connector	 8 contacts - ISO location 100,000 insertions Landing contact
Human Interface	2 LEDs and buzzer indicating status 3 x 4+1 keypad Tamper evident
Cable/Power	 1.5m long with USB type A connector or also 1.5m long with F-DB9 and Pass-through PS/2
Dimensions	• LWH 120 x 70 x 40 mm, weight 250 grams
Operating Temperature	0° to 50° Celsius
OS	 Windows[®] 98, ME, NT4, 2000, XP, Vista Windows[®] CE, MacOS X on request Linux, Solaris on request
API	PC/SC CT-API (thru wrapper on top of PC/SC)
Approvals	 FCC Class B part 15, cULus, CE,VCCI Microsoft® WHQL 2000, XP USB EMV Level 1 Common Criteria EAL 3+ High HBCI compliant
Environmental	• RoHS • WEEE

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



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