

# SPRx32

## Keep your PIN code safe Universal Connectivity



### Technical Data

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

### 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 I 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

### The SCM Microsystems' Advantage

SCM Microsystems brings over a decade of experience in ASIC and smart card reader development to this unique product, including:

- More than 80 patents
- Support for all current and emerging international standards
- Customer base of global, top tier PC OEMs, systems integrators and smart card industry leaders
- Industry endorsed SmartOS™ middleware
- Direct significant long-term relationships with all leading smart card manufacturers and application providers
- High quality mass production capability

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