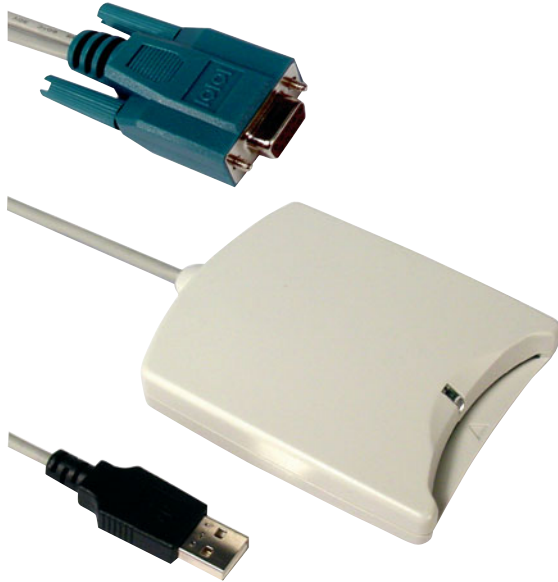


# SCR531

## The Universal Connectivity Solution



### Overview

The SCR531 is a logical extension of the new SCR331 and SCR131 smart card reader family 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. In addition, the SCR531 is the industry's first to offer on-board flash. This enables future firmware and application enhancements that guarantee against obsolescence. Taking full advantage of the STC II features, the SCR531 offers the best price/performance ratio in the market and helps reduce deployment and technical support costs.

### SCR531 Benefits

- Dual host interface: USB and serial with exchangeable cable
- On-board flash provides seamless firmware upgrades in the field
- EMV Level 1 AND PC/SC certification based on a single solution
- 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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# SCR531

## Technical Data

Host Interface	<b>Dual Mode</b> <ul style="list-style-type: none"> <li>• Full speed USB (12 Mbps), bus powered, CCID compliant</li> <li>• PnP RS232 (115,200 bps)</li> </ul>
Smart Card Interface	<ul style="list-style-type: none"> <li>• T=0, T=1 protocol support</li> <li>• Memory card support through SCM MCARD API</li> <li>• Communication speed up to 344,105 bps for USB and 115,200 bps for serial (PPS, FI parameter)</li> <li>• Frequency up to 8 MHz (PPS, DI parameter)</li> <li>• Support ISO 7816 Class A and AB smart card</li> </ul>
Smart Card Connector	<ul style="list-style-type: none"> <li>• 8 contacts - ISO location</li> <li>• 100,000 insertions</li> <li>• Sliding contact</li> </ul>
Human Interface	<ul style="list-style-type: none"> <li>• One dual state green LED</li> </ul>
Cable/Power	<b>Exchangeable cable</b> <ul style="list-style-type: none"> <li>• 1.5m long with USB type A connector</li> <li>• 1.5m long with F-DB9 and Pass-through PS/2</li> </ul>
Dimensions	<ul style="list-style-type: none"> <li>• LWH 90 x 70 x 16.5 mm, weight 190 grams</li> </ul>
Operating Temperature	<ul style="list-style-type: none"> <li>• 0° to 50° Celsius</li> </ul>
OS	<b>Serial</b> <ul style="list-style-type: none"> <li>• Windows® 98, ME, NT4, 2000 and XP</li> <li>• Windows® CE 4.2, 5.0</li> <li>• Solaris, Linux</li> </ul> <b>USB</b> <ul style="list-style-type: none"> <li>• Windows® 98, ME, 2000, XP, Server 2003</li> <li>• Windows® CE 4.2, 5.0</li> <li>• MacOS X, Linux, Solaris</li> </ul>
API	<ul style="list-style-type: none"> <li>• PC/SC</li> <li>• CT-API (thru wrapper on top of PC/SC)</li> </ul>
Approvals	<ul style="list-style-type: none"> <li>• FCC Class B part 15, cULus, CE, VCCI</li> <li>• Microsoft® WHQL 2000, XP, Server2003</li> <li>• EMV Level 1</li> </ul>

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

