

SCR53 I

The Universal Connectivity Solution



Technical data

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

Overview

The SCR53 I is a logical extension of the new SCR33 I and SCR13 I 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 SCR53 I 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 SCR53 I offers the best price/performance ratio in the market and helps reduce deployment and technical support costs.

SCR53 I Benefits

- Dual host interface: USB and Serial with exchangeable cable
- On-board flash provides seamless firmware upgrades in the field
- EMV Level I 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

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 60 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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