



# SCR135: The Premier Serial Solution



## Overview

The SCR135 is an extension of a new family of Smart Card Readers based on SCM Microsystems' STC II microcontroller. This device includes support for multiple interfaces, multiple reader devices and relevant security standards. Together, these features provide SCM with the unique ability to offer high performance and cost effective solutions.

In addition, the SCR line is the industry's first to offer on-board flash. This enables future firmware and application enhancements that guarantee against obsolescence.

The SCR135 offers the best price/performance ratio in the market.

## SCR135 Benefits

- On-board flash: provides seamless firmware upgrades in the field
- EMV 2000 Level 1 v4 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
- Significant long-term relationships with all leading Smart Card manufacturers and application providers.
- High quality mass production capability

## Technical data

Host interface	<ul style="list-style-type: none"> <li>• PnP RS232 (115,200 bps)</li> <li>• Power supply through PS/2</li> </ul>
Smart Card Interface	<ul style="list-style-type: none"> <li>• T=0, T=1 protocol support</li> <li>• Memory card support upon request</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 smart card</li> </ul>
Smart Card Connector	<ul style="list-style-type: none"> <li>• 8 contacts - ISO location</li> <li>• Certified for 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	<ul style="list-style-type: none"> <li>• Cable: 1.5 meter long with F-DB9 and Pass-through PS/2</li> </ul>
Dimension	<ul style="list-style-type: none"> <li>• LWH 66 x 48 x 11 mm</li> </ul>
Operating Temperature	<ul style="list-style-type: none"> <li>• 0° to 60° Celsius</li> </ul>
OS	<ul style="list-style-type: none"> <li>• Windows 98, ME, NT4, 2000 and XP</li> <li>• Windows CE (Q2'03)</li> <li>• Solaris, Linux</li> </ul>
API	<ul style="list-style-type: none"> <li>• PC/SC</li> <li>• CT-API (thru wrapper on top of PC/SC)</li> <li>• OCF upon request</li> </ul>
Approval	<ul style="list-style-type: none"> <li>• FCC Class B part 15, cULus, CE, VCCI</li> <li>• Microsoft WHQL 98, ME, NT4, 2000, XP</li> <li>• EMV 2000 Level 1 version 4</li> </ul>

