

# SCR243

## The Premier Mobile Computing Solution



### Overview

The SCR243 smart card reader allows comfortable working without any interfering cables and with that is ideal for mobile users. The patented design fits effortlessly into a standard PCMCIA Type II slot and offers an easy smart card insertion mechanism for your convenience.

The smart card reader provides secure access to sensitive data; it can be used for secure online banking, e-Mail encryption as well as digital signatures. The EMV certification recommends the reader especially for applications with banking or credit cards.

The SCR243 is based on SCM's STC II controller chip that supports multiple interfaces, multiple reader devices and all relevant security standards. The STC II chip was the industry's first to offer On-board Flash, allowing future firmware and application enhancements.

### SCR243 Benefits

- Robust casing with easy smart card insertion mechanism
- EMV Level 1 AND PC/SC certification based on a single solution
- On-board flash provides seamless firmware upgrades in the field
- High performance, low power consumption
- Fully tested and compliant with all major smart cards in the market
- Branding option available

### PC Security Solutions

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# SCR243

## Technical Data

Host Interface	<ul style="list-style-type: none"> <li>• PC-Card 8 bits I/O 5V</li> <li>• PCMCIA Type II</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 (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>
Power	<ul style="list-style-type: none"> <li>• 68 pins PCMCIA connector</li> <li>• Power through PCMCIA interface</li> </ul>
Dimensions	<ul style="list-style-type: none"> <li>• LWH 85.6 x 54 x 5 mm, weight 30 grams</li> </ul>
Operating Temperature	<ul style="list-style-type: none"> <li>• 0° to 50° Celsius</li> </ul>
OS	<ul style="list-style-type: none"> <li>• Windows® 98, ME, NT4, 2000, XP, Server2003, Vista</li> <li>• Windows® CE 4.2. 5.0</li> <li>• Linux</li> <li>• MacOS X</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>• EMV 2000 Level 1</li> <li>• Microsoft® WHQL 2000, XP, Server2003</li> </ul>
Environmental	<ul style="list-style-type: none"> <li>• RoHS</li> <li>• WEEE</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 50 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

