

# SCR243

## The Premier Mobile Computing Solution



### Technical data

<b>Host interface</b>	<ul style="list-style-type: none"> <li>• PC-Card 8 bit I/O 5V</li> <li>• PCMCIA Type II</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 through SCM MCARD API</li> <li>• Communication speed up to 344,105 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>
<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</li> </ul>
<b>Power</b>	<ul style="list-style-type: none"> <li>• 68 pins PCMCIA connector</li> <li>• Power through PCMCIA interface</li> </ul>
<b>Dimension</b>	<ul style="list-style-type: none"> <li>• LVWH 85.6 x 54 x 5 mm</li> </ul>
<b>Operating Temperature</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, XP and CE</li> <li>• Linux</li> <li>• MacOS X</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> <li>• OCF upon request</li> </ul>
<b>Approvals</b>	<ul style="list-style-type: none"> <li>• FCC Class B part 15, cULus, CE, VCCI</li> <li>• EMV 2000 Level I</li> <li>• Microsoft® WHQL Me, 2000, XP</li> </ul>

### Overview

The SCR243 is designed to meet requirements of mobile users.

The SCR243's patented design fits effortlessly into a standard PCMCIA Type II slot and offers an easy smart card insertion mechanism for your convenience.

In addition, the SCR243 is the industry's first to offer on-board flash, allowing future firmware and application enhancements that guarantee against obsolescence.

### SCR243 Benefits

- Robust steel casing with easy smart card insertion mechanism
- Takes only one PCMCIA slot and can stay inserted even when traveling
- EMV Level I AND PC/SC certification based on a single solution
- On-board flash provides seamless firmware upgrades in the field
- High performance
- Fully tested and compliant with all major smart cards in the market
- Branding option available

### 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

US Headquarters  
SCM Microsystems Inc.  
466 Kato Terrace  
Fremont, CA 94539, USA  
email: adapter@scmmicro.com  
Phone +1 510 360 2300  
Fax +1 510 360 0211

European Headquarters  
SCM Microsystems GmbH  
Oskar-Messter-Str. 13  
D-85737 Ismaning, Germany  
email: sales@scmmicro.de  
Phone +49 89 9595 5000  
Fax +49 89 9595 5555

SCM Microsystems, Japan Inc.  
8F Hirakawacho Ronstate,  
2-11-1, Hirakawacho-cho,  
Chiyoda-ku, Tokyo, Japan  
Postal code: 102-0093  
email: sales@scmmicro.co.jp  
Phone +81 3 3511 8511  
Fax +81 3 3511 8516

SCM Microsystems France  
ZE Athélie II - n° 216,  
Avenue du Serpolet  
13704, La Ciotat, Cedex, France  
email: sales@scmmicro.fr  
Phone +33 442 838 000  
Fax +33 442 838 001

SCM Microsystems Asia Pte. Ltd.  
25 Serangoon North Ave 5  
#06-00 Keppel Digihub  
Singapore 554914  
email: sales@scmmicro.com.sg  
Phone +65 6551 5233  
Fax +65 6483 0210

Secure Micro Technologies, India Pvt. Ltd.  
Module No. 0308  
3rd Floor, D Block-South  
Tidel Park  
4, Canal Bank Road  
Taramani, Chennai 600 113, India  
email: sales@scmmicro.co.in  
Phone +91 44 2254 0636  
Fax +91 44 2254 0645



**SCM**  
MICROSYSTEMS  
www.scmmicro.com