

SCR243

The Premier Mobile Computing Solution



Overview

The SCR243 is designed to meet requirements of mobile users. The SCR243's 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 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"> • PC-Card 8 bits I/O 5V • PCMCIA Type II
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 344,105 bps (PPS, FI parameter) • 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 • 100,000 insertions • Sliding contact
Power	<ul style="list-style-type: none"> • 68 pins PCMCIA connector • Power through PCMCIA interface
Dimensions	<ul style="list-style-type: none"> • LWH 85.6 x 54 x 5 mm, weight 30 grams
Operating Temperature	<ul style="list-style-type: none"> • 0° to 50° Celsius
OS	<ul style="list-style-type: none"> • Windows® 98, ME, NT4, 2000, XP, Server2003 • Windows® CE 4.2. 5.0 • Linux • MacOS X
API	<ul style="list-style-type: none"> • PC/SC • CT-API (thru wrapper on top of PC/SC)
Approvals	<ul style="list-style-type: none"> • FCC Class B part 15, cULus, CE, VCCI • EMV 2000 Level 1 • Microsoft® WHQL 2000, XP, Server2003

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 includes:

- 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

