SCR331-DI

Dual Interface Contact and Contactless

Overview

The SCR331-DI is part of the SCRx31 product family based on the SCM Microsystems' STC II micro controller. Taking advantage of existing products, this device adds contactless capability and makes it ideal for any application requiring both interfaces to coexist. In addition, the SCR331-DI is the industry's first to offer on-board flash. This enables future firmware and application enhancements that guarantee against obsolescence. The SCR331-DI offers the best price/performance ratio in the market.

SCR331-DI Benefits

- On-board flash provides seamless firmware upgrades in the field
- Combines contact and contactless smart card in a single product
- High performance
- Fully tested and compliant with all major smart cards in the market
- Seamless abstraction of contactless card as T=0 card so that existing applications designed for contact cards can work without any changes
- Direct T=CL support through proprietary API
- Customizing options: casing, colors, and company logo

Designed for
Microsoft®
Windows® XP
Windows® 2000

CERTIFIED USB

SCR331-DI

Technical Data

Host Interface	• Full speed USB (12 Mbps) • Bus powered device • CCID compliant
Smart Card Interface	• 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	• 8 contacts - ISO location • 100,000 insertions • Sliding contact
Contactless	• ISO 14443-A and B (13.56 MHz) • Support ISO14443 Part 1 to 4 • Operating distance: 1cm • Communication speed: 424 Kbit/s
Human Interface	• One Tri color LED
Cable/Power	• Cable: 1.5 meter long with USB type A connector • Power through USB bus
Dimensions	• LWH 90 x 70 x 16.5 mm, weight 100 grams
Operating Temperature	• 0° to 50° Celsius
OS	• Windows® 98, ME, 2000 and XP
API	• PC/SC
Approvals	• FCC Class B part 15, cULus, CE • USB • Microsoft® WHQL 2000, XP

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 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