SCL011

Multi-protocol contactless desktop reader

Features

- Multi-protocol 13.56MHz contactless reader:
  - ISO 14443 type A & B
  - MIFARE
  - FeliCa™
  - iCLASS UID
- PC/SC compliant
- In-field upgradeable firmware
- ISO/IEC 14443 compliant
- Optional cradle or snap-on card holder

Your perfect contactless desktop reader choice

With its combination of a modern slim design and its state of the art multi-protocol feature set, SCL011 is the perfect desktop reader choice to support various contactless applications such as electronic ID, payment & public transportation schemes and to interact with NFC-enabled devices.

As for all SCM Microsystems products, SCL011 is designed to offer best in class interoperability with various formats of tokens: cards, dongles, watches or NFC mobile phones.

Its infield upgradeable firmware makes SCL011 a secure and future-proof investment providing both flexibility and fast time to market for new applications as well as minimum risk linked to contactless technology standards evolution.

As a latest generation product, SCL011 can be supported by SCM's middleware that sits above the PC/SC API and offers better portability of applications and abstraction of smart card related details that need to be handled by applications when they are developed on top of PC/SC API.

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SCL011

Technical Data

Interfaces			
Host	USB		• USB 2.0 full speed • PC/SC v2.01 • Hardware abstraction layer (HAL) that sits on top of PC/SC API. Common to all SCM readers • CCID*

Smart Card	contactless		• Antenna ISO/IEC 14443 compliant design
			• Baudrate up to 848 Kbps
			• Supported standards:
			  - ISO/IEC 14443-4 Typ A & B
			  - MIFARE: Classic 1K and 4K, DESFire, Ultralight, MIFARE Plus
			  - FeliCa™
			  - NFC forum tag type 1, 2, 3, 4
			  - iCLASS UID*

Human	optical		• LED for connection status
Operating Systems			• Windows® 7, Vista, XP, 2000, Server 2008 & 2003 • Mac OS X, Linux, Windows® CE
Firmware			• In-field upgradeable
Power	USB		• Bus powered
Operating Temperature	[°C]		• 0 - 50
Storage Temperature	[°C]		• -15 - 60
Dimensions	L x W x H [mm]		• 110 x 65 x 8
Weight	[g]		• ~ 70
Approvals			• USB, CE, UL, FCC, VCCI, WEEE, RoHS, WHQL • Radio Frequency for Japan**
Support			• Software development kit
Accessories			• Cradle • Snap-on card holder

Technical data provided here is subject to changes without notice
* Q1 2011; ** on request
MIFARE is a registered trademark of NXP Semiconductors B.V. FeliCa is a registered trademark of Sony Corporation

The SCM Microsystems' Advantage

Trusted Partner

• ASIC (application specific IC) and smart card reader development experience since 1990

• Innovative solutions - more than 50 patents filed

• Reliable high-quality mass production capability - more than 15 Mio. reader solutions deployed to date

• Active role in standardization committees

• Complex project management expertise e.g. U.S. Department of Defense CAC program, electronic ID applications (ePassport, health card projects, national ID, driver licence)

Support

• Global presence and support

• Product customization options

• Product branding

• Dedicated Research & Development and customer support team

• Strong global partnership network with leading suppliers along the value chain (smart card manufacturers, application providers, system integrators, device manufacturers)

Trusted Products

• Broadest portfolio of security technology products - for governments, corporations, financial institutions, small and medium-sized enterprises and individuals around the globe

• Secure smart chip reader design - certified and compliant to EMV, Common Criteria, PC/SC, USB

• High-quality products designed to meet the various requirements in the data security area

• Flexible and future proof solutions - SCM's SmartOS™ firmware and its own ASIC technology allow in Field upgrades and secure your investment