

SCL010

Multi-protocol contactless desktop reader

Objective specification v1.0



Features

- Multi-protocol 13.56MHz contactless reader:
 - ISO14443 type A & B
 - MIFARE
 - FeliCa™
- NFC Peer-to-peer communication
- PC/SC compliant
- In field upgradeable firmware
- Optional cradle

Your perfect contactless desktop reader choice

With its combination of a modern slim design and its state of the art multi-protocol feature set, SCL010 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.

Its in-field upgradeable firmware makes SCL010 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, SCL010 will be supported by SCM's new standard hardware abstraction layer which offers portability of applications across SCM contactless product range.

Product availability planned for Q4 2008

For further information:

<http://www.scmmicro.com/scl010> or sales@scmmicro.com



Contactless Technology

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SCLO10

Technical Data

Host interface	<ul style="list-style-type: none"> • USB 2.0 full speed • PC/SC v2.01 • Generic hardware abstraction layer (HAL) as for other SCM contactless readers
Power supply	<ul style="list-style-type: none"> • Through USB interface
Firmware upgradeability	<ul style="list-style-type: none"> • YES over the host interface
User interface	<ul style="list-style-type: none"> • Connection status LED
Air interface: supported contactless standards	<ul style="list-style-type: none"> • ISO/IEC 14443 with baudrate up to 848Kbps: <ul style="list-style-type: none"> - Type A until ISO/IEC 14443-3 - Type B until ISO/IEC 14443-3 - ISO/IEC 14443-4 • MIFARE: <ul style="list-style-type: none"> - Classic 1K and 4K - DESFire - Ultralight • FeliCa™ • NFC forum tag 1 through tag 4 • ISO/IEC 18092 peer-to-peer protocol up to 412Kbps
Air interface: antenna characteristics and operating volume	<ul style="list-style-type: none"> • ISO 14443 compliant • The design target is also to be compliant with EMVCo requirements
Supported host OS	<ul style="list-style-type: none"> • Windows 2000, Windows XP, Windows Vista, Windows Server 2003, MACOSX
Operating temperature	<ul style="list-style-type: none"> • [0°C, 50°C]
Storage temperature	<ul style="list-style-type: none"> • [-15°C, 60°C]
Dimensions and weight	<ul style="list-style-type: none"> • 110mm x 65mm x 8mm • ~70g
Approvals	<ul style="list-style-type: none"> • USB, CE, FCC, VCCI, WEEE, RoHS, WHQL targeted
Support	<ul style="list-style-type: none"> • Evaluation kit containing 1 reader with cradle, a set of NFC forum compliant tags, a CD with documentation, drivers and demonstration software

*Technical data provided here is subject to changes without notice

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™ middleware and its own ASIC technology allow in Field upgrades and secure your investment