

# SCL010

## Multi-protocol contactless desktop reader



### Features

- Multi-protocol 13.56MHz contactless reader:
  - ISO 14443 type A & B
  - MIFARE
  - FeliCa™
- PC/SC compliant
- In-field upgradeable firmware
- 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, 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.

As for all SCM Microsystems products, SCL010 is designed to offer best in class interoperability with various formats of tokens: cards, dongles, watches or NFC mobile phones.

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 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.

For further information:  
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### Contactless Technology

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# SCL010

## Technical Data

<b>Interfaces</b>		
Host	USB	<ul style="list-style-type: none"> <li>• USB 2.0 full speed</li> <li>• PC/SC v2.01</li> <li>• Hardware abstraction layer (HAL) that sits on top of PC/SC API. Common to all SCM readers</li> </ul>
Smart Card	contactless	<ul style="list-style-type: none"> <li>• Antenna ISO/IEC 14443 compliant design</li> <li>• Baudrate up to 848 Kbps</li> <li>• Supported standards: <ul style="list-style-type: none"> <li>- Type A until ISO/IEC 14443-3</li> <li>- Type B until ISO/IEC 14443-3</li> <li>- ISO/IEC 14443-4</li> <li>- MIFARE: Classic 1K and 4K, DESFire, Ultralight</li> <li>- FeliCa™</li> <li>- NFC forum tag type 1, 2, 3, 4</li> </ul> </li> </ul>
Human	optical	<ul style="list-style-type: none"> <li>• LED for connection status</li> </ul>
<b>Operating Systems</b>		<ul style="list-style-type: none"> <li>• Windows® 7, Vista, XP, 2000, Server 2008 &amp; 2003</li> <li>• Mac OS X, Linux, Windows® CE</li> </ul>
<b>Firmware</b>		<ul style="list-style-type: none"> <li>• In-field upgradeable</li> </ul>
<b>Power</b>	USB	<ul style="list-style-type: none"> <li>• Bus powered</li> </ul>
<b>Operating Temperature</b>	[°C]	<ul style="list-style-type: none"> <li>• 0 - 50</li> </ul>
<b>Storage Temperature</b>	[°C]	<ul style="list-style-type: none"> <li>• -15 - 60</li> </ul>
<b>Dimensions</b>	L x W x H [mm]	<ul style="list-style-type: none"> <li>• 110 x 65 x 8</li> </ul>
<b>Weight</b>	[g]	<ul style="list-style-type: none"> <li>• ~ 70</li> </ul>
<b>Approvals</b>		<ul style="list-style-type: none"> <li>• USB, CE, UL, FCC, VCCI, WEEE, RoHS, WHQL</li> <li>• Radio Frequency for Japan</li> </ul>
<b>Support</b>		<ul style="list-style-type: none"> <li>• Evaluation kit</li> <li>• Software development kit</li> </ul>
<b>Accessoires</b>		<ul style="list-style-type: none"> <li>• Cradle</li> <li>• Snap-on card holder</li> </ul>

\*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™ firmware and its own ASIC technology allow in Field upgrades and secure your investment