

SCL010

Multi-protocol contactless desktop reader

Objective specification v1.2



Features

- Multi-protocol 13.56MHz contactless reader:
 - ISO 14443 type A & B
 - MIFARE
 - FeliCa™
- NFC Peer-to-peer communication
- 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

Interfaces		
Host	USB	<ul style="list-style-type: none"> • 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
Smart Card	contactless	<ul style="list-style-type: none"> • Antenna ISO/IEC 14443 compliant design • Baudrate up to 848 Kbps • Supported standards: <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: Classic 1K and 4K, DESFire, Ultralight - FeliCa™ - NFC forum tag type 1, 2, 3, 4 - ISO/IEC 18092 peer-to-peer protocol up to 412 Kbps
Human	optical	<ul style="list-style-type: none"> • LED for connection status
Operating Systems		<ul style="list-style-type: none"> • Windows® 2000, XP, Vista, Server 2003 & 2008 • Mac OS X, Linux, Windows® CE
Firmware		<ul style="list-style-type: none"> • In-field upgradeable
Power	USB	<ul style="list-style-type: none"> • Bus powered
Operating Temperature	[°C]	<ul style="list-style-type: none"> • 0 - 50
Storage Temperature	[°C]	<ul style="list-style-type: none"> • -15 - 60
Dimensions	L x W x H [mm]	<ul style="list-style-type: none"> • 110 x 65 x 8
Weight	[g]	<ul style="list-style-type: none"> • ~ 70
Approvals		<ul style="list-style-type: none"> • USB, CE, UL, FCC, VCCI, WEEE, RoHS, WHQL • Radio Frequency for Japan
Support		<ul style="list-style-type: none"> • Evaluation kit • Software development kit
Accessoires		<ul style="list-style-type: none"> • Cradle • Snap-on card holder

*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