



SCL010

Multi-Protocol Contactless Desktop Reader

IDENTITY



(Shown with optional cradle)

This is the perfect contactless desktop reader. With its modern, slim design and state of the art multi-protocol feature set, the SCL010 is perfect for supporting various contactless applications (e.g. electronic ID, payment, and public transportation) and to interact with NFC-enabled devices.

As with all SCM Microsystems products, the SCL010 is designed to offer best in class interoperability with various token formats such as cards, dongles, watches, and NFC mobile phones.

Its in-field upgradable firmware makes the SCL010 a secure and future-proof investment providing flexibility, fast time to market for new applications, and minimum risk in regards to the evolution of contactless technology standards.

SCL010 Benefits

- Multi-protocol 13.56 MHz contactless reader
 - ISO14443 Types A and B
 - MIFARE
 - FeliCa™
- NFC peer-to-peer communication
- PC/SC compliant
- In-field upgradable firmware
- Optional cradle or snap-on card holder



Technical Data

Host Interface	<ul style="list-style-type: none"> • Full-speed USB 2.0 (12 Mbps) • PC/SC v2.01 • Hardware abstraction layer (HAL) that sits on top of the PC/SC API, common to all SCM readers
Smart Card Interface	<ul style="list-style-type: none"> • Contactless interface • Antenna ISO/IEC 14443 compliant design • Baud rate up to 848 kbps • Supported standards <ul style="list-style-type: none"> • Type A ISO/IEC 14443-3 • Type B ISO/IEC 14443-3 • ISO/IEC 14443-4 • MIFARE Classic 1k and 4k, DESFire, Ultralight • FeliCa™ • NFC forum tag type 1, 2, 3, and 4 • ISO/IEC 18092 peer-to-peer protocol up to 412 kbps
Human Interface	<ul style="list-style-type: none"> • LED indicator for connection status
Operating Systems	<ul style="list-style-type: none"> • Windows 2000, XP, Vista, Server 2003, Server 2008 • Windows CE • Mac OS X • Linux
Firmware	<ul style="list-style-type: none"> • In-field upgradable
Power	<ul style="list-style-type: none"> • USB bus powered
Operating Temperature	<ul style="list-style-type: none"> • 0 to 50 °C
Storage Temperature	<ul style="list-style-type: none"> • -15 to 60 °C
Dimensions	<ul style="list-style-type: none"> • 110 x 65 x 8 mm
Weight	<ul style="list-style-type: none"> • 70 g
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
Accessories	<ul style="list-style-type: none"> • Cradle • Snap-on card holder

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, in conjunction with CardLogix, offers customization of products to suit any application's needs.