

SDI010

Secure Dual Interface Smart Card Reader ISO 14443 & ISO 7816



Features

- Dual interface smart card reader module ISO/IEC14443 and ISO/IEC7816
- Multi-protocol 13.56MHz contactless smart card reader:
 - ISO14443 A & B
 - MIFARE
- Suitable for a wide range of smart card applications
- Compact form factor (63 x 64 x 10 mm) for easy system integration
- SmartOS™ upgradeable firmware
- PC/SC drivers for Windows®, MacOS, Linux
- USB interface & power
- Case color & company logo customizing options

Typical Applications

The SDI010 dual interface reader combines contact and contactless interface capabilities to support a wide variety of identification applications.

It is widely used for applications such as electronic ID and ePassport, e-Banking and e-Commerce

The SDI010 is based on ISO 7816 for the contact interface and on ISO 14443 at 13.56 MHz supporting type A and B compliant contactless smart cards.

Its in-field upgradeable firmware makes this module a secure and future-proof investment providing both flexibility and fast time to market for new products and applications as well as minimum risk linked to technology standards evolution.

For further information:

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

Dual Interface Reader

Headquarters
 SCM Microsystems GmbH
 Oskar-Messter-Str. 13
 85737 Ismaning, Germany
 E-mail sales@scmmicro.com
 Phone +49 89 9595 5000
 Fax +49 89 9595 5555

U.S. Office
 SCM Microsystems, Inc.
 1900-B Carnegie Avenue
 Santa Ana, CA 92705 USA
 E-mail scmsales@scmmicro.com
 Phone +1 888 446 9008
 Fax +1 888 446 1210

SCM Microsystems Japan, Inc.
 GoogolPlex Millennium Building 6F
 4-4-20 Shiba, Minato-ku,
 Tokyo, Japan 108-0014
 E-mail sales@scmmicro.co.jp
 Phone +81 3 6414 6611
 Fax +81 3 6414 6612

SCM Microsystems India Pvt. Ltd.
 Module No. 0506, 0507 & 0508
 D' Block South, 5th Floor
 Tidel Park, 4 Canal Bank Road
 Taramani
 Chennai 600113, India
 E-mail sales@scmmicro.co.in
 Phone +91 44 2254 0020
 Fax +91 44 2254 0029

www.scmmicro.com

SDIO10

Technical Data

| Interfaces | | |
|----------------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host | USB | <ul style="list-style-type: none"> • Full speed USB 2.0 (12 Mbps) • USB Bus powered device • CCID compliant |
| Smart Card | contact | <ul style="list-style-type: none"> • ISO/IEC 7816 CCID compliant • T=0, T=1 protocol support • Communication speed up to 344,105 bps (PPS, FI parameter) • Frequency up to 12 MHz (PPS, DI parameter) • Voltage Classes A and AB • 8 contacts - ISO location, ID1 • Sliding contact, typ. 100,000 insertions |
| | contactless | <ul style="list-style-type: none"> • Support of ISO 14443 A and B (13.56 MHz) smart cards • ISO 14443 Part 1 to 4 compliant • MIFARE: Classic 1K and 4K, DESFire, Ultralight, Plus • Communication speed: up to 848 Kbit/s |
| Human Software | optical API | <ul style="list-style-type: none"> • One Tri color LED • PC/SC |
| Operating Systems | | <ul style="list-style-type: none"> • Windows® Vista, XP, Server 2003, 2000, ME, 98 • Windows® Vista, XP, Server2003 (AMD64/EMT64) • Windows® 7 • Windows® CE • MacOS, Linux, Solaris on request |
| Cable/Power | | <ul style="list-style-type: none"> • Cable: 1.5 meter long with USB type A connector |
| Dimensions | L x W x H [mm] | • 118 x 78 x 22 |
| Weight | [g] | • 128 |
| Operating Conditions | Temperature [°C] | • 0 to 50 |
| | Humidity [%] | • 90 (non-condensing) |
| Approvals | Functional | <ul style="list-style-type: none"> • FCC Class B part 15 and FCC Class C, cULus, CE, VCCI • USB • Microsoft® WHQL 2000, XP, Server 2003 |
| | Environmental | • RoHS, WEEE |

Technical data are subject to change without notice

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

