

# "SmartFold"-SCR3500

Portable ID1 contact smart card reader



## Features

- Full ISO7816 ID1 smart card reader
- Portable, small ergonomic design
- CCID compliant
- Software and functionality fully compatible with SCM's SCR3310v2 reader
- EMV Level 1 certification\*
- Customization options: casing colour and company logo
- ideal for post mailing

\*ongoing

\*\* based on A4 format

## Typical Applications

The "SmartFold" SCR3500 mini USB reader is a fully ISO7816 compliant contact smart card reader which is perfectly suitable for a wide range of application areas for government, enterprise and home use.

Due to its small design, this ID1 reader is ideal to be bundled with smart cards and software to support large scale project roll outs. Typical applications areas of this reader are in the field of electronic ID cards, social security cards, secure network log-on, e-Banking and online shopping, loyalty and e-Coupon cards as well as for online gaming activities.

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# "SmartFold"-SCR3500

## Technical Data

<b>Interfaces</b>		
Host	USB	<ul style="list-style-type: none"> <li>• Full speed USB 2.0 (12 Mbps)</li> <li>• USB Bus powered device</li> <li>• CCID compliant</li> </ul>
Smart Card	contact	<ul style="list-style-type: none"> <li>• T=0, T=1 protocol support</li> <li>• Memory card support through SCM MCARD API</li> <li>• Communication speed up to 344 kbps (PPS, FI parameter)</li> <li>• Frequency up to 8 MHz (PPS, DI parameter)</li> <li>• Support ISO 7816 Class A, B and C smart card</li> <li>• 8 contacts - ISO 7816 location</li> <li>• Friction contact, 100,000 insertions</li> </ul>
Human	optical	<ul style="list-style-type: none"> <li>• LED (red)</li> </ul>
Software	API	<ul style="list-style-type: none"> <li>• PC/SC</li> <li>• CT-API (thru wrapper on top of PC/SC)</li> </ul>
<b>Operating Systems</b>		<ul style="list-style-type: none"> <li>• Windows® 7</li> <li>• Windows® Vista, XP, Server 2003, 2000, ME, 98</li> <li>• Windows® Vista, XP, Server2003 (AMD64/EMT64)</li> <li>• Windows® CE 3.0, 4.1, 4.2, 5.0, 6.0</li> <li>• MacOS®, Solaris, Linux 32-bit (2.4.x, 2.6.x)/64-bit</li> </ul>
<b>USB Connector</b>		<ul style="list-style-type: none"> <li>• Type A</li> </ul>
<b>Dimensions</b>	L x W x H [mm]	• 48 x 20 x 12
<b>Weight</b>	[g]	• 10
<b>Operating Conditions</b>	Temperature [°C] Humidity [%]	<ul style="list-style-type: none"> <li>• 0 to 50</li> <li>• 90 (non-condensing)</li> </ul>
<b>Approvals</b>	Functional	<ul style="list-style-type: none"> <li>• FCC Class B part 15, cULus, CE, VCCI</li> <li>• ANZI (SCR3310)</li> <li>• ICES-003 Issue4, ClassB</li> <li>• USB-IF</li> <li>• Microsoft® WHQL 2000, XP, Server2003</li> <li>• EMV 2000 Level 1</li> </ul>
	Environmental	<ul style="list-style-type: none"> <li>• RoHS, WEEE</li> <li>• REACH compliance (SCR3310v2.0)</li> </ul>

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

