

# SCR3310/SCR3310v2.0

## Contact Smart Card Reader



### Features

- Ergonomic and cost efficient design
- Software and functionality compatible with SCM's SCR33xx readers family
- In field firmware upgrades\*
- EMV Level 1 certified\*\*
- Compliant with major smart cards and relevant industry standards
- Customization options: Casing color and company logo

\* for SCR3310 only

\*\* not applicable for firmware versions without Memory Card support

### Typical Applications

The SCR3310 /3310v2 are suitable for a wide range of applications for government applications as well as for enterprise and home useage.

Due to its design, the readers are also ideally suited to be bundeled with smart cards and software to support large scale projects roll outs.

Typical applications areas of the SCR3310 /3310v2 are electronic ID, social security and loyalty programs, e-Couponing, secure network log on, e-Banking as well as online shopping and gaming activities.

### Contact Reader

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## 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 and AB smart card</li> <li>• 8 contacts - ISO 7816 location</li> <li>• 100,000 insertions</li> <li>• Friction contact</li> </ul>				
Human	optical	<ul style="list-style-type: none"> <li>• One green LED</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® 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>Cable</b>		<ul style="list-style-type: none"> <li>• Cable: 1.5m long with USB type A connector</li> </ul>				
<b>Dimensions</b>	L x W x H [mm]	<ul style="list-style-type: none"> <li>• 70 x 70 x 10</li> </ul>				
<b>Weight</b>	[g]	<ul style="list-style-type: none"> <li>• 70</li> </ul>				
<b>Operating Conditions</b>		<ul style="list-style-type: none"> <li>• Temperature[°C]</li> <li>• Humidity [%]</li> <li>• 0 to 50</li> <li>• 90 (non-condensing)</li> </ul>				
<b>Approvals</b>		<table border="0"> <tr> <td>Functional</td> <td> <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 (SCR3310v2.0)</li> <li>• USB-IF</li> <li>• Microsoft® WHQL 2000, XP, Server2003</li> <li>• EMV 2000 Level 1**</li> </ul> </td> </tr> <tr> <td>Environmental</td> <td> <ul style="list-style-type: none"> <li>• RoHS, WEEE</li> <li>• REACH compliance (SCR3310v2.0)</li> </ul> </td> </tr> </table>	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 (SCR3310v2.0)</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>
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Technical data are subject to change without notice.

\*\* EMV 2000 Level 1 certification and memory card support for SCR3310v2.0 on request.

## 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

