

# SCR3311

## Vertical Contact Smart Card Reader



### Features

- ISO 7816 contact reader with vertical card insertion slot
- One hand operation with optional heavy weight base
- Ideal for POS and desktop use
- In field firmware updates
- Compliant with all major smart cards and relevant industry standards
- Customization options: Casing color and company logo OEM branding
- Software and functionality compatible with SCM's SCR33xx readers family

### Typical Applications

The SCR3311 is primarily used as desktop and point of sales terminal. The heavy base makes it ideal for one hand operation for smart card insertion and removal.

The 2m long USB cable allows it to place the reader further away from the host PC system, supporting different set up needs for e.g. POS or banking counters.

Typical POS applications are loyalty schemes, balance check, points redemption and e-Couponing applications.

Besides this the SCR3311 with its vertical card slot is also ideally suited for desktop use in applications such as logical access to computers and networks, digital signature applications, electronic home banking and e-Commerce.

### 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 344,105 bps (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 location</li> <li>• 100,000 insertions</li> <li>• Sliding 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: 2m long with USB type A connector</li> </ul>
<b>Dimensions</b>	L x W x H [mm]	<ul style="list-style-type: none"> <li>• 95 x 64 x 85</li> </ul>
<b>Weight</b>	[g]	<ul style="list-style-type: none"> <li>• Three options</li> <li>• Heavy weight 440</li> <li>• Light weight 240</li> <li>• Ultra-Light weight 132 (upon request)</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>		<ul style="list-style-type: none"> <li>• Functional</li> <li>• Environmental</li> <li>• FCC Class B part 15, cULus, CE, ANZI, CNS</li> <li>• USB-IF</li> <li>• Microsoft® WHQL 2000, XP, Server2003</li> <li>• RoHS, WEEE</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™ middleware and its own ASIC technology allow in Field upgrades and secure your investment

