



# SCR331

Contact Smart Card Reader



The SCR331 is suitable for a wide range of applications such as offices, IT companies, and OEMs. Typical applications include logical access control to PCs or networks, secure Business-to-Business and Business-to-Consumer authentication, and secure logon via e-mail encryption. With its EMV certification, the SCR331 is also suitable for banking related applications. The reader is ideal for integration into systems from the gaming industry as well.

Its square modular shape makes it extremely suitable for integration into external systems (e.g. parking, ticketing, and toll collection). The SCR331 can also be integrated into larger OEM systems, either with or without casing (as a PCB module).

## SCR331 Benefits

- Flexibility to choose any smart card that works best for your application
- Modular form factor allows easy and flexible card-insertion angle
- Available without casing as PCB module, upon request
- EMV Level 1 certified
- Compliant with all major smart cards and relevant industry standards
- Customizable with various color options and the printing of company logos and brands
- Fully compatible with existing product family (SCR33xx) for seamless qualification and integration



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## Technical Data

<b>Host Interface</b>	<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>
<b>Smart Card Interface</b>	<ul style="list-style-type: none"> <li>• Sliding contact</li> <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>• Supports ISO 7816 Class A and AB smart cards</li> <li>• 8 contacts (ISO locations)</li> <li>• 100,000 insertions</li> </ul>
<b>Human Interface</b>	<ul style="list-style-type: none"> <li>• Green LED</li> </ul>
<b>Software Interface</b>	<ul style="list-style-type: none"> <li>• PC/SC API</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, Server 2003 (64-bit)</li> <li>• Windows CE 3.0, 4.1, 4.2, 5.0, 6.0</li> <li>• Mac OS</li> <li>• Solaris</li> <li>• Linux 2.4.x, 2.6.x (32-bit and 64-bit)</li> </ul>
<b>Cable</b>	<ul style="list-style-type: none"> <li>• 1.5 m long with USB type A connector</li> </ul>
<b>Dimensions</b>	<ul style="list-style-type: none"> <li>• 90 x 70 x 16.5 mm</li> </ul>
<b>Weight</b>	<ul style="list-style-type: none"> <li>• 100 g</li> </ul>
<b>Operating Conditions</b>	<ul style="list-style-type: none"> <li>• 0 to 50 °C</li> <li>• 90% humidity (non-condensing)</li> </ul>
<b>Functional Approvals</b>	<ul style="list-style-type: none"> <li>• FCC Class B part 15, cULus, CE,VCCI, ANZI, CNS</li> <li>• USB-IF</li> <li>• Microsoft WHQL2000, XP, Server 2003</li> <li>• EMV Level 1</li> </ul>
<b>Environmental Approvals</b>	<ul style="list-style-type: none"> <li>• RoHS</li> <li>• WEEE</li> </ul>

## 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.