



# SCR243

PCMCIA Contact Smart Card Reader



The SCR243 is ideal for integration into notebooks, PDA's or PC bus systems with a standard PCMCIA Type II slot. It is suitable for a wide range of applications such as home banking, network security, secure logon, e-mail encryption, online gaming, shopping, as well as online loyalty points redemption and other PC related applications.

Its robust metal casing ensures the highest durability in all conditions.

## SCR243 Benefits

- ISO 7816 smart card reader
- PCMCIA Type II slot
- Easy to install and remove
- Ideal for travelers due to its robust design
- Open-ended mouth for convenient smart card insertion and removal
- In-field firmware updates
- Compliant with all major smart cards and relevant industry standards
- Customizable with various color options and the printing of company logos and brands

## Technical Data

<b>Host Interface</b>	<ul style="list-style-type: none"> <li>• USB Interface</li> <li>• PC-Card 8 bits I/O 5V</li> <li>• PCMCIA Type II</li> <li>• PCMCIA bus powered device</li> </ul>
<b>Smart Card Interface</b>	<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>• Supports ISO 7816 Class A and AB smart cards</li> <li>• 8 friction contacts (ISO locations)</li> <li>• 50,000 insertion/removal cycle</li> </ul>
<b>Software Interface</b>	<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, NT 4.0, Me, 98</li> <li>• Windows Vista, XP, Server 2003 (64-bit)</li> <li>• Windows CE 3.0, 4.2, 5.0</li> <li>• Mac OS X</li> <li>• Linux 2.4.x, 2.6.x (32-bit)</li> </ul>
<b>Connector</b>	<ul style="list-style-type: none"> <li>• 68-pin PCMCIA connector</li> </ul>
<b>Dimensions</b>	<ul style="list-style-type: none"> <li>• 85.6 x 54 x 5 mm</li> </ul>
<b>Weight</b>	<ul style="list-style-type: none"> <li>• 30 g</li> </ul>
<b>Operating Temperature</b>	<ul style="list-style-type: none"> <li>• 0 to 50 °C</li> </ul>
<b>Operating Humidity</b>	<ul style="list-style-type: none"> <li>• 90% (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>• EMV 2000 Level 1</li> <li>• Microsoft WHQL 2000, XP, Server2003</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.