

# SCR338

## USB Smart Card Keyboard



### Overview

The SCR338 is part of the extensive SCR33x product family. The reader allows secure PIN code entry directly and safely into the keyboard without being transmitted to the host.

The SCR338 is based on SCM Microsystems' STC II micro controller chip. The on-board flash enables seamless firmware upgrades in the field to adapt the reader to current requirements and prevent obsolescence.

### SCR338 Benefits

- On-board flash provides seamless firmware upgrades in the field
- High performance
- Fully tested and compliant with all major smart cards in the market
- True single-chip solution

### PC Security Solutions

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## Technical Data

Host Interface	<ul style="list-style-type: none"> <li>• Full speed USB (12 Mbps)</li> <li>• Bus powered device</li> </ul>
Keyboard	<ul style="list-style-type: none"> <li>• 104 keys</li> <li>• Membrane key with tactile feeling</li> <li>• Key caps laser printed</li> <li>• Auto repeat function</li> <li>• Complies with the ergonomic requirements</li> </ul>
Smart Card Interface	<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>• Support ISO 7816 Class A and AB smart card</li> <li>• Secure PIN entry via vendor specific IOCTLs</li> </ul>
Smart Card Connector	<ul style="list-style-type: none"> <li>• 8 contacts - ISO location</li> <li>• 100,000 insertions</li> <li>• Sliding contact</li> </ul>
Human Interface	<ul style="list-style-type: none"> <li>• Keyboard: 3 LEDs, Num Lock, Scroll Lock, Cap Lock</li> <li>• Smart Card: One dual state green LED</li> </ul>
Cable/Power	<ul style="list-style-type: none"> <li>• Cable: 1.5 m long with USB type A connector</li> <li>• High Power USB device</li> </ul>
Dimensions	<ul style="list-style-type: none"> <li>• LWH 472 x 183 x 47.5 mm, weight 1300 grams</li> </ul>
Operating Temperature	<ul style="list-style-type: none"> <li>• 0° to 50° Celsius</li> </ul>
OS	<ul style="list-style-type: none"> <li>• Windows® 98, ME, 2000, XP</li> <li>• Windows® CE 4.2, 5.0</li> <li>• Linux</li> </ul>
API	<ul style="list-style-type: none"> <li>• PC/SC</li> <li>• CT-API (thru wrapper on top of PC/SC)</li> </ul>
Approvals	<ul style="list-style-type: none"> <li>• FCC Class B part 15, CE</li> <li>• USB</li> <li>• Microsoft® WHQL 2000, XP</li> <li>• EMV 2000 Level 1</li> </ul>

Technical data are subject to change without notice.

## 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 offers customization of products to suit application needs.

Typical advantages of an SCM Microsystems product include:

- More than 50 patents
- High quality mass production capability
- Industry endorsed SmartOS™ middleware
- Support for all current and emerging international standards
- Customer base of global, top tier PC OEMs, systems integrators and smart card industry leaders
- Direct significant long-term relationships with all leading smart card manufacturers and application providers

