

SCR338

USB Smart Card Keyboard



Technical Data

Host Interface	<ul style="list-style-type: none">• Full speed USB (12 Mbps)• Bus powered device
Keyboard	<ul style="list-style-type: none">• 104 keys• Membrane key with tactile feeling• Key caps laser printed• Autorepeat function• Ergonomic requirements / standards
Smart Card Interface	<ul style="list-style-type: none">• T=0, T=1 protocol support• Memory card support through SCM MCARD API• Communication speed up to 344,105 bps (PPS, FI parameter)• Support ISO 7816 Class A and AB smart card• Secure PIN entry via vendor specific IOCTLs
Smart Card Connector	<ul style="list-style-type: none">• 8 contacts - ISO location• Certified for 100,000 insertions• Sliding contact
Human Interface	<ul style="list-style-type: none">• Keyboard: 3 LEDs, Num Lock, Scroll Lock, Cap Lock• Smart Card: One dual state green LED
Cable/Power	<ul style="list-style-type: none">• Cable: 1.5 m long with USB type A connector• Power through USB bus
Dimensions	<ul style="list-style-type: none">• LWH 472 x 183 x 47.5 mm
Operating Temperature	<ul style="list-style-type: none">• 0° to 50° Celsius
OS	<ul style="list-style-type: none">• Windows® 98, ME, 2000, XP, CE
API	<ul style="list-style-type: none">• PC/SC• CT-API (thru wrapper on top of PC/SC)
Approvals	<ul style="list-style-type: none">• FCC Class B part 15, cULus, CE• USB• Microsoft® WHQL ME, 2000, XP• EMV 2000 Level 1

Overview

The SCR338 is part of the SCR33x product family based on SCM Microsystems' STC II micro controller. This device leverages the experience and scale realized by volume shipments of similar STC II based PC peripherals to offer a cost-effective, single-chip solution. The SCR338 supports secure PIN entry, which means, PIN authentication without transmitting the PIN to the host system. In addition, the SCR338 is the industry's first to offer on-board flash. This enables future firmware and application enhancements that guarantee against obsolescence. The SCR338 offers the best price/performance ratio in the market.

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
- Customization option: plastic color; key cap color; country specific key caps (depending on volume)

The SCM Microsystems' Advantage

- SCM Microsystems brings over a decade of experience in ASIC and smart card reader development to this unique product, including:
- More than 80 patents
 - Support for all current and emerging international standards
 - Customer base of global, top tier PC OEMs, systems integrators and smart card industry leaders
 - Industry endorsed SmartOS™ middleware
 - Direct significant long-term relationships with all leading smart card manufacturers and application providers
 - High quality mass production capability

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