

ExpressCard 54 - SCR3340

Next Generation PC Card Technology



PC Security Solutions

Overview

SCM's new SCR3340 ExpressCard™ reader represents the next generation of PC Card technology. Based on SCM's STC II smart card interface chip, the SCR3340 leverages existing and already qualified hardware and software, making it easy for OEMs to qualify and integrate the readers.

The ExpressCard standard gives users a very easy way to add hardware or media to notebooks, desktops or other compliant systems.

The readers are designed to meet the requirements of the ExpressCard interface specification, developed by a large number of PCMCIA member companies including technology leaders, system manufacturers, card manufacturers, and representatives from the PC Card industry.

SCR3340 Benefits

- Firmware field upgrades to prevent obsolescence
- A smaller and faster PC Card solution
- Suitable for both mobile and desktop systems
- USB 2.0 full speed and CCID, compliant leveraging existing and proven technology
- Lower system and card complexity
- A very easy way to add hardware or media to the system



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Technical Data

Host Interface	<ul style="list-style-type: none"> ExpressCard 54 Full speed USB 2.0 (12 Mbps) CCID compliant
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 (DI) Frequency up to 12 MHz (FI) Support ISO 7816-3 Class A and AB smart card
Smart Card Connector	<ul style="list-style-type: none"> 8 contacts - ISO location 100,000 insertions Sliding contact
Dimensions	ExpressCard 54 (LWH 75x54x5), weight 25 grams
Operating Temperature	0° to 55° Celsius, 95% humidity non-condensing
OS	Windows® XP, Server2003 (32 and 64 bits)
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, UL, CE, VCCI Microsoft® WHQL 2000, XP, Server2003 ExpressCard EMV 2000 Level 1
Environmental	<ul style="list-style-type: none"> ROHS WEEE
Life/Reliability	> 100,000 hrs as per MIL-HDBK-217F

Technical data are subject to change without notice.

Availability

- Samples 09/2005
- Production Q1/2006

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 80 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



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