

PACT

Versatile & Cost effective Physical Access Terminals



Overview

Leveraging proven experience in smart card and connectivity technologies, SCM Microsystems introduces a new product family dedicated to physical access. The PACT concept allows the product to replace legacy systems while leveraging new and more secure token technologies without having to change the current infrastructure and wiring. Additionally, its flexible design enables it to be used for new installations that offer more modern communication mechanisms. The PACT product line offers a new concept of versatile and cost effective physical access terminals.

PACT Benefits

- Designed and constructed to provide a wide variety of configuration options
- Support of legacy and emerging technologies
- The same reader can be used with both Wiegand, Mag Stripe and RS485
- The same reader supports contact and contactless with or without PINpad
- Flexible SDK allowing integrators to develop their own applications and differentiate themselves
- The SDK together with the on-board flash allow seamless reconfiguration of the reader and prevent obsolescence

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

PC Security Solutions

U.S. Headquarters
 SCM Microsystems Inc.
 466 Kato Terrace
 Fremont, CA 94539 USA
 E-mail scmsales@scmmicro.com
 Phone +1 510 360 2300
 Fax +1 510 360 0211

European Headquarters
 SCM Microsystems GmbH
 Oskar-Messter-Str. 13
 D-85737 Ismaning, Germany
 E-mail sales@scmmicro.de
 Phone +49 89 9595 5000
 Fax +49 89 9595 5555

SCM Microsystems Japan, Inc.
 8F Hirakawacho Ronstate, 2-11-1,
 Hirakawa-cho, Chiyoda-ku,
 Tokyo, Japan 102-0093
 E-mail sales@scmmicro.co.jp
 Phone +81 3 3511 8511
 Fax +81 3 3511 8516

SCM Microsystems France
 ZE Athélie II
 216, avenue du Serpolet
 13704 La Ciotat Cedex - France
 E-mail sales@scmmicro.fr
 Phone +33 442 838 000
 Fax +33 442 838 001

SCM Microsystems (Asia) Pte. Ltd.
 25 Serangoon North Ave 5
 #06-00 Keppel Digihub
 Singapore 554914
 E-mail sales@scmmicro.com.sg
 Phone +65 6551 5233
 Fax +65 6483 0210

SCM Microsystems India Pvt. Ltd.
 Module No. 0506, 0507 & 0508
 D' Block South, 5th Floor
 Tidel Park, 4 Canal Bank Road
 Taramani
 Chennai 600113, India
 E-mail sales@scmmicro.co.in
 Phone +91 44 2254 0020
 Fax +91 44 2254 0029

www.scmmicro.com

PACT

Technical Data

Host Interface	<ul style="list-style-type: none"> • Wiegand / Mag Stripe (CLK/Data) • RS485 (2 or 4 wires) • 3 relay inputs to set reader state
Smart Card Interface	<ul style="list-style-type: none"> • T=0, T=1 protocol support (5V card) • Communication speed up to 115,200 bps
Smart Card Connector	<ul style="list-style-type: none"> • 8 contacts - ISO location • Landing contact, 500,000 insertions
Contactless	<ul style="list-style-type: none"> • ISO14443 Type A or B (13.56MHz) • Support ISO14443 Part 1 to 4 • Operating distance: 1 inch • Communication speed: 106 Kbps • Internal 3DES for card authentication (DESFire)
Keypad	<ul style="list-style-type: none"> • Standard telephone layout (0-9, clear, enter) • Robust hard cap, silicon keypad
Human Interface	<ul style="list-style-type: none"> • 1 LED beam (green and red) for access information (granted or denied) • 1 LED per type of media (contact, contactless, PINPAD) to indicate the type of requested operation • Buzzer for user acoustic feedback
Application	<ul style="list-style-type: none"> • Full SDK available • Field secure firmware upgrade
Operating Temperature	<ul style="list-style-type: none"> • Indoor: 0° to +50° Celsius • Outdoor: -25° to +65° Celsius
Operating Humidity	<ul style="list-style-type: none"> • Indoor : 20% to 90% RH non-condensing • Outdoor: 5% to 95% RH non-condensing
Dimensions	<ul style="list-style-type: none"> • LWH 148 x 84 x 46 mm • Mounting - fits into a single junction box
Power	<ul style="list-style-type: none"> • 12V DC - 200 mA average
Approvals	<ul style="list-style-type: none"> • FCC, UL 294, CE

Technical data are subject to change without notice.

Indoor & Outdoor



Contactless



Contactless PINpad

Indoor



Contact PINpad



Contact Contactless PINpad

	Wiegand / Mag Stripe RS485	Optional SAM	Indoor	Outdoor
CL	●	●	●	●
CL/PINpad	●	●	●	●
CT/CL/PINpad	● ⁽¹⁾		●	
CT/PINpad	● ⁽¹⁾		●	

CL: contactless smart card (ISO14443)

CT: contact smart card (ISO7816)

Note 1: contact card is only available with RS485

Please contact your local SCM Microsystems representative for availability and details.

