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

PACT

Technical Data

Host Interface	• Wiegand / Mag Stripe (CLK/Data) • RS485 (2 or 4 wires) • 3 relay inputs to set reader state
Smart Card Interface	• T=0, T=1 protocol support (5V card) • Communication speed up to 115,200 bps
Smart Card Connector	• 8 contacts - ISO location • Landing contact, 500,000 insertions
Contactless	• 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	• Standard telephone layout (0-9, clear, enter) • Robust hard cap, silicon keypad
Human Interface	• 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	• Full SDK available • Field secure firmware upgrade
Operating Temperature	• Indoor: 0° to +50° Celsius • Outdoor: -25° to +65° Celsius
Operating Humidity	• Indoor : 20% to 90% RH non-condensing • Outdoor: 5% to 95% RH non-condensing
Dimensions	• LWH 148 x 84 x 46 mm • Mounting - fits into a single junction box
Power	• 12V DC - 200 mA average
Approvals	• 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.