RF IDEAS

125 kHz Proximity
13.56 MHz Contactless

Single Badge Solutions for Identification and Access

pcProx® Enroll

Read-only readers for identification and enrollment of proximity cards or contactless smart cards

See reverse for other form factors

Overview

RF IDeas' pcProx card readers are designed for customers seeking to leverage their existing card system for applications beyond building access. pcProx Enroll readers are engineered to work with nearly all proximity and contactless smart card technologies. The 13.56 MHz contactless model is compatible with most 13.56 MHz cards and the 125 kHz proximity model provides error-free identification for over 300 million physical access cards worldwide.

Featuring plug-n-play functionality, no required software, and embedded configurable flash memory, these readers are ready to integrate with nearly all operating systems, applications, and embedded controllers. As a card enrollment or ID badge reader/tester, the USB model emulates a keyboard and keystrokes the card's ID and/or site code to the cursor's location on the screen. The reader can be configured to add keystrokes before and after the card's data. The serial version, available in RS232, Ethernet, or USB Virtual COM, delivers the card's data in ASCII.

In addition to the standard housing (shown), readers are available in various form factors, including: USB Dongle, Surface Mount (kiosk), Keyboard, PCMCIA, ExpressCard and OEM bare boards. Using the optional RF IDeas Software Developer's Kit (SDK), the pcProx family of card readers can easily be integrated into most applications.

Note: For HID's iClass cards, including Elite Key, the card's data is read and will include the card ID and/or the facility site code, while for ISO 14443/15693, LEGIC, or NXP's MIFARE cards/tags/labels, just the card's serial number data is read from the card.

Applications

- PC/LAN Access Control
  Application Log-On
  Employee Identification
- Time & Attendance
  Meeting Attendance, Visitor Management
  Hoteling
- Dispensing
- PLC & Embedded Controllers
  Manufacturing
- Secure Printing
- Mobile
- OEM
- Point of Sale
- Physical Access

WaveID® is the standard that enables badge-based reader solutions throughout the workplace. It gives a name to the many badge-based authentication and identification solutions powered by RF IDeas readers. In today's business environment, most employees carry badges for building access. WaveID in action is both the physical place for employees to wave their badge for identification, as well as a visual cue that an RF IDeas reader powers a specific device or solution.

pcProx Enroll

Features

Easy Interface and Protocol: USB models connect directly to a USB port and can be configured to send data as keystroking, non-keystroking or serial ASCII. RS232 models connect to a serial port and send data as ASCII. Ethernet models connect through an RJ45 connection and are sent data as either ASCII or E/IP.

Note: To utilize PoE and E/IP features with some models, a C-6200 adapter may be required

Compatibility: Compatible with Windows CE®/2000®/XP®/Vista®/7®, Macintosh®, Solaris™, Sun Ray™ thin clients, and Linux.

Improves Accuracy and Productivity: Eliminates errors associated with individual identification.

Versatile Mounting Options: Articulated cable and unobtrusive design allows for easy placement on desktops, mounted on monitors, time clocks and more.

Medical/Healthcare HIPAA Compatible: Meets HIPAA requirements when used as a log-on reader.

Supported Cards

pcProx 125 kHz

AWID
CASI-RUSCO®
Deister*
EM 410x
GProx™ II*
HiTag 1, S & 2
ioProx™ (Kantech)
Keri NXT
Nexwatch (Honeywell)
ReadyKey Pro*
Cardax*
Cotag®
DIGITAG
Farpointe Data
HID® Prox
Indala® (Motorola)
ISONAS
Keri*
Radio Key®
Rosslare

*Unique ID

pcProx 13.56 MHz

Advant CSN (Legic)
iCLASS® SE™
iCLASS CSN
I-tag CSN
ISO 15693 CSN
MIFARE Ultralight CSN
DESFire CSN[2]
eTag CSN
iCLASS ID
I-Code CSN
ISO 14443A CSN[1]
MIFARE CSN
my-d CSN
Tag-It CSN

[1] Select NFC credentials

[2] RDR-708X-XXX units do not support DESFire. DESFire support is available on all RDR-758X-XXX readers.

For a full list of supported cards, visit our website www.RFIDeas.com

Please feel free to call, email or visit our website for a full list of applications, products, configuration options, supported cards and form factor specifications. Our website includes application videos, support materials, case studies and detailed information about our product line.

Specifications—Desktop Reader

Typical Maximum Read Range: 1.0" – 3.0" (2.5 – 7.6cm) dependent upon card type and environmental conditions

Dimensions: (Desktop) 3.4" x 2" x 0.6" (except for custom Indala, Pyramid)

Weight: (Desktop) 4.0oz (113.39g)

Power Supply: USB self-powered; PoE; Serial RS232: several power options exist

Interface: USB, Ethernet or RS232 DB9

Transmit Frequency: 125 kHz for proximity Enroll model, 13.56 MHz for contactless Enroll model

Operating Temperature Range: -22° to 150°F (-30° to 65°C)

Operating Humidity Range: 5% to 95% relative humidity, non-condensing

Storage Temperature Range: -40° to 185°F (-40° to 85°C)

Indicators: Tri-state LED, beeper

Certifications: FCC, United States; CE Mark, Europe; C-TICK, RoHS, Industry Canada

Additional Form Factors and Accessories

PCMCIA

USB Dongle

Surface Mount

Keyboard

Optional Mounting Brackets

Mounted Desktop Reader

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