Single Badge Solution for Building Access & Identification!

pcProx® Reader for Identification/Enrollment

The Single Badge Identification Solution

Casi-Rusco Compatible Proximity Reader for Identification/Enrollment Applications

Overview

There are well over 100 million proximity cards in use for facility access control. In many cases these are used as the main employee ID badge. Most companies have other identification needs and requirements for employee identification. Until now, choices were limited to manual entry which is fraught with errors or using magnetic stripe cards. This increases the costs of enrollment, badges, tracking badges, and requires the employees to wear multiple badges.

Finally, a sophisticated, yet easy-to-use identification reader system has arrived! The pcProx reader, bundled with configuration software, is a state-of-the-art personnel identification and enrollment system. It is the most flexible, feature-rich system on the market. It can be used as a standalone system or be seamlessly integrated with other software applications.

Applications

- Employee identification at data capture stations.
- Enrollment reader for proximity ID card and tags.
- Any software application requiring the identification of users.

Benefits

- 100% compatible with installed base of Casi-Rusco proximity cards.
- USB version is 100% configurable and doubles as a keyboard to the operating system.
- Serial port versions are available for stand-alone or for use with existing keyboard wedge devices (Symbol, Intermec, AMI, etc.).
- Employees use a single badge for building access and identification.
- Eliminates errors associated with individual identification.
- SoftKBWedge application included with each serial port reader. This software redirects data read from the pcProx reader on the serial port to the keyboard buffer.
- Configuration mode allows user to select data bits to be included/excluded.
- Serial port reader supports Windows 95, 98, ME, NT, 2000, XP.
- USB reader support Windows 98, 2000, XP. No client-side software required.
- Increases productivity.
- No maintenance.
- Software Developer's Kits available!

RF IDEAS INC.

Single Badge Solutions for Access & Identification

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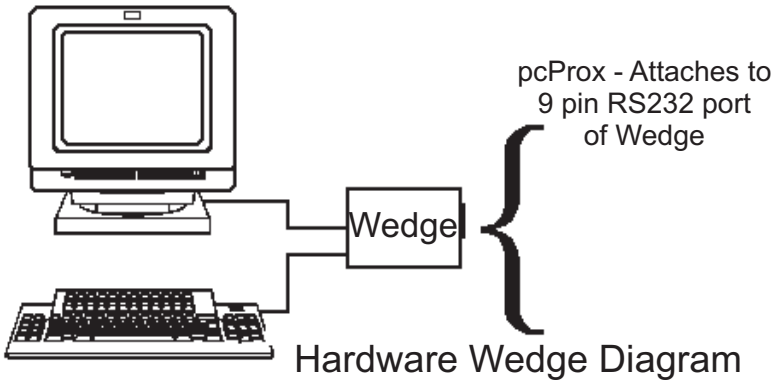
As an Enrollment Reader

The open architecture design means universal support for existing proximity cards and unlimited future expansion.

pcProx is designed to operate quickly and effectively in conditions where large numbers of badges need to be produced and printed. By not requiring an operator to key in every piece of information when badges are created, large numbers of employees can be quickly processed.

USB model requires no software once the user configures the device.



Hardware Wedge Diagram

As an Identification Reader

pcProx models provide compatibility with existing keyboard wedge interfaces.

RF IDeas line of proximity readers that attach directly to keyboard wedge style devices, such as American Microsystems' M5100 or Symbol's OmniLink, providing a direct replacement for mag-stripe readers and bar code scanners.

Wedge Interfaces

USB: No software or hardware wedge necessary!

Hardware Wedges: Hardware-based keyboard wedge devices attach between the keyboard port on the PC and the keyboard cable itself. The user may enter data using the keyboard as normal. However, if the user reads the proximity card using pcPROX, the card's ID is sent to the current software application. This data appears to have been keyed.

Software Wedges: Software-based keyboard wedge applications provide similar functionality, however no device is attached to the keyboard port. In this application, the pcPROX attaches directly to the RS232 port. The software wedge redirects the ID data read from the proximity card directly to the keyboard buffer. The current software application running receives this card's ID as if it were keyed. Several software wedges are compatible such as WinWedge from TAL Tech.

RF IDeas includes the powerful software wedge application, SoftKBWedge with each reader. The configuration section allows bit exclusion as well as appending <CR>, <LF>, Tabs and more.

The pcPROX reader provides the user with identification capability for virtually any application using a keyboard wedge device. This is an ideal reader for applications where the identification of the user is important. The reader performs user identification in a consistent and error-free manner.

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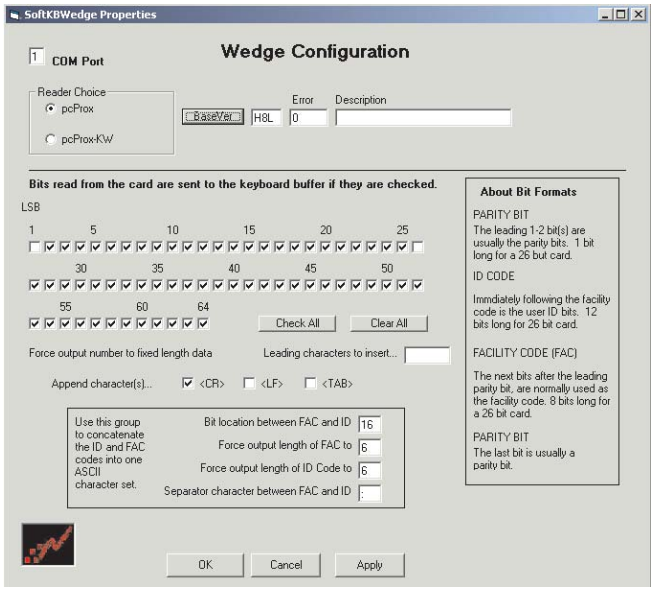
Configuration Software

Identifying users when there are so many software applications needing their individual information. Complicating matters is the number of formats in use for proximity cards. This is where the powerful yet easy-to-use configuration software comes to the rescue. The SoftKBWedge application (for serial port readers) is a software keyboard wedge. It takes the identification information from the pcProx reader attached at the COM port, and sends this data directly to the keyboard port as if it were typed by the user.



Simplicity

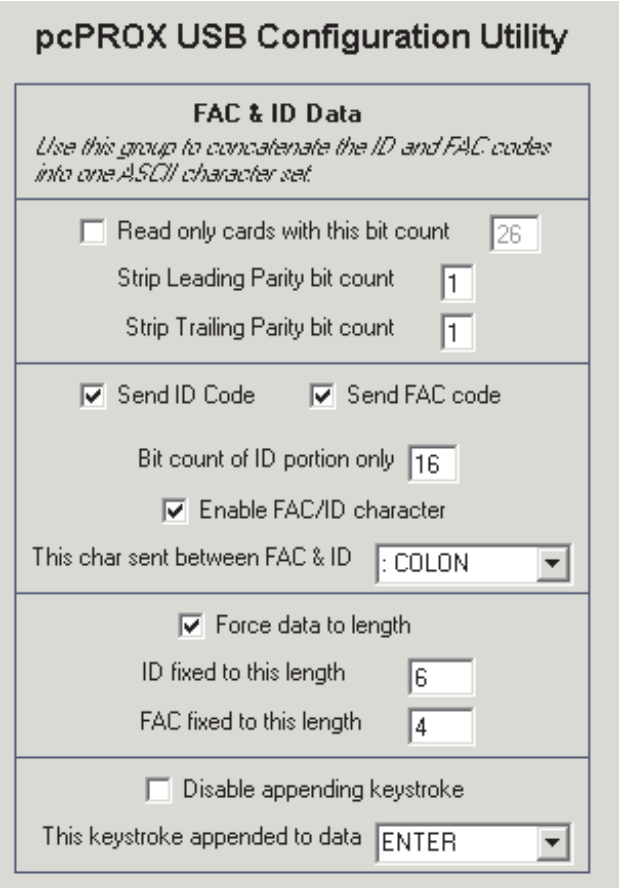
The SoftKBWedge software is very powerful but simple to operate. Include or exclude the desired bits read from the employee proximity badge. Then add a Tab, carriage return or line feed after the number so the entry advances to the next field on the screen of your software, and away you go!

You can define templates for different configurations to further improve your productivity.

Press the Start button and begin capturing identification numbers! If you prefer, you can setup SoftKBWedge to automatically install and run when you boot up the PC!

USB Configuration

The USB configuration software stores its information in the reader. Therefore no client or server side software is required. To the USB compatible operating system, the pcProx USB reader looks like a standard USB keyboard. Simply configure the reader for the desired output and you're done!



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Features

Mounting: Unobtrusive design can be placed anywhere on the desktop.
Visual indication: When a proximity card is presented to the reader, the red LED flashes green.
Diagnostics: On reader power-up, an internal self-test routine checks and verifies the setup configuration and initializes reader operation.
Easily interfaced: USB model connects directly to USB supplied port. Serial (DB9) connector connects to a standard PC COM port, or DB9 serial port on a hardware wedge. Power provided via a pass-through PS2 keyboard connector.
Security: Recognizes card formats up to 64 bits (parity included) with billions of unique codes.
Warranty: Reader warranted against defects in materials and workmanship for life from date of shipment.
Supports COM ports 1-16. Install on up tosixteen serial ports on a PC for data collection.
Data Transfer as Keystrokes directly into any other application program.

Specifications

Typical maximum read range:
1"- 3" (2.5 - 7.6 cm) dependent upon proximity card type and environmental conditions.
Dimensions
2.5" x 4.2" x 0.875" (6.35 x 10.6 x 2.2 cm)
Power Supply
USB self-powered; Rs232 Model: 5.0 V supplied by PS2 Keyboard pass-thru connector

Certifications
FCC Certification, United States
UL 294 Listing (HID models)
CE Mark (HID models)
Interface: RS232 DB9 Connector or USB
Description: Tri-State LED, Serial (DB9) and PS2 Connection.
Part number
USB
BSE-PCPRXC-USB - Casi-Rusco USB Version
BSE-PCPRXH-USB - HID USB Version

SERIAL Port
BSE-PCPRXC-SKW- Casi-Rusco Serial Port
BSE-PCPRXM-SKW- Motorola

When using 3rd party hardware wedges
BSE-PCPRXCKW - Casi-Rusco RS232
BSE-PCPRXHKW - HID RS232
BSE-PCPRXMKW - Motorola Decoded RSs232

SoftKBWedge included.
Hardware wedge sold separately.

Software Developer's Kits Available!

RF IDeas Inc.

Single Badge Solutions for Access & Identification

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