pcProx™ Reader for Keyboard Wedge Interfaces

The Single Badge Identification Solution

Motorola Proximity Card Compatible Reader for Keyboard Wedge 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. Many companies still use legacy keyboard wedge readers that require employees to use magnetic stripe badges for identification. This increases costs of enrollment, badges, and tracking cards, as well as, requires the employees to wear multiple badges.

RF IDeas now offers a 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. The reader is capable of reading existing proximity cards and tokens from Motorola thereby lowering maintenance costs, increasing productivity, and providing a single badge solution to the organization for meeting building access and its identification needs.

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.

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 proximity cards
- pcProx models are available for a variety of wedge manufacturers (Symbol, AMI, etc.)
- Employees use a single badge for building access and identification
- Eliminates errors associated with individual identification
- Increases productivity
- Compatible with either software or hardware wedges
- No software required (when using hardware wedge)
- No serial port required (when using hardware wedge)
- Lowered maintenance cost

MOTOROLA

ASP, ASP+, Indala Compatible

RF IDeas Inc.

Single Badge Solutions for Access & Identification

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: 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 one year from date of shipment.

Wedge Interfaces

Hardware Wedges: Hardware-based keyboard wedge devices, such as American Microsystems M5100, 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. As with other wedge applications, this model requires no software changes.

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.

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
RS232 Model: 5.0 V supplied by PS2 Keyboard pass-thru connector
Undecoded Model: Power supplied via DB9 connector.

Certifications
FCC Certification, United States

Interface: RS232 DB9 Connector

Description: Tri-State LED, Serial (DB9) and PS2 Connection.

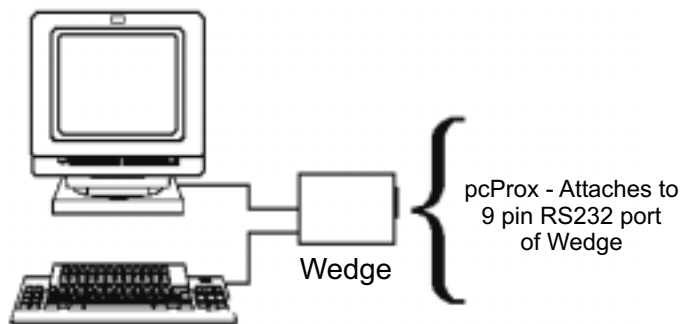**Option:** private labeling of reader

Part number
bse-pcprxhdw - HID Decoded RS232
bse-pcprxhuw - HID Un-decoded
bse-pcprxmdw - Motorola Decoded RS232
bse-pcprxmuw - Motorola Un-decoded

Wedge sold separately.

pcProx - Attaches to 9 pin RS232 port of Wedge

Wedge

Hardware Wedge Diagram

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