RFIDEAS

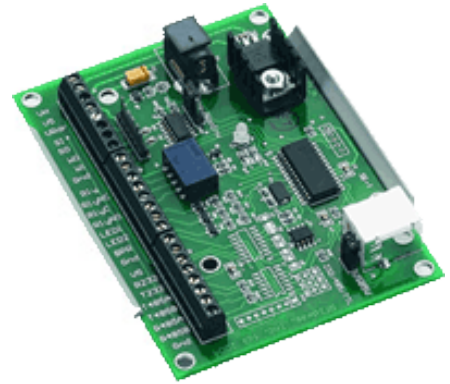*Single Badge Solutions for Identification and Access*

Wiegand Converter

Configurable Wiegand Converter
with flash memory for data conversion

Overview

The Wiegand Converter integrates all standard Wiegand-based reader technologies into other applications. The Converter has multiple uses:

- As a pcProx® card data converter, it translates all major Wiegand data outputs to USB, RS-232, RS-485 or TTL
- It provides the computer/terminal/PLC interface when using ID badges for more than door access

The converter output is sent to the USB port either as keystrokes or through a callable DLL for software developers. Selectable card information can be configured in the converter's flash memory using free software. This configurable converter is perfect for those requiring pcProx Enroll functionality, with the ability to read contactless smart cards using the 13.56 MHz model or proximity cards through the 125 kHz model, but requires an outdoor reader with a longer read range.

Applications

PC/LAN Access Control
Application Log-On
Employee Identification

PLC & Embedded Controllers
Manufacturing

OEM

Time & Attendance
Meeting Attendance, Visitor Management
Hoteling

Kiosk

Features

Easy Installation: Device is easily installed when using the supplied Snap-Trak or with an optional enclosure.

Platform Compatibility: Supports any operating system with USB, RS-232 or RS-485 support.

Configurability: Compatible with any Wiegand device. Converter comes with configurable flash memory to support any card format.

Configuration Software Features:
Configurable Parameters
- Number of parity bits to strip
- Set the ID bit count
- Fixing the decimal character data length
- Define a card gone character
- Define decimal or hex output

USB Model
- Add additional keystrokes before and after card data
- Define a keystroke between the site code and ID number

RS-232/485 Model
- Send additional characters before or after card data
- Send a character between the site code and ID

Specifications

Dimensions: 2.5" x 4.2" x 0.875" (6.35 x 10.6 x 2.2 cm)

Weight: 0.582 oz; (16.5g)

Power Supply:
- Nominal input: 4-16V DC
- USB model: supplied via USB cable
- RS-232/485 model: supplied via terminal block or DC jack

Operating Temperature Range: -31° to 150°F (-35° to 65° C)

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

LED: Two-state LED

Relay: Normally open and normally closed

Warranty: One year for material/workmanship defects; see complete policy for details.

Part Numbers

Type	Part Number
Wiegand to USB	OEM-W2USB-V3
Wiegand to RS-232 or RS-485	OEM-W2RS232-V3
RS-485 or RS-232 to Wiegand	OEM-1300
Wiegand to USB enclosure	HSG-CASFR100BOXUSB
Wiegand to RS-232 enclosure	HSG-CA-SFR100BOX

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.

RFID EAS
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