

Single Badge Solutions for Identification and Access

pcProx[®] Plus OEM Module

Dual-frequency proximity and contactless card reader for system integration



Overview

The pcProx Plus OEM module enables users to easily embed active RFID read capability into their equipment. The security, reliability and convenience of proximity and contactless identification and access is available in this self-contained electronic module. The pcProx Plus OEM provides all the features of the housed reader, as well as the additional customization capability that allows customers to develop a wide variety of unique, custom-built devices that tap into the power of using existing door access cards for employee identification and authentication. The OEM module is perfect for third-party manufacturers or developers who want to integrate proximity or contactless technology into their standard offerings.

The OEM module combines proximity and contactless technologies into one single reader, providing the capability of reading both 125 kHz proximity cards and 13.56 MHz contactless cards. This reader eliminates the need for manual entry and provides error-free identification and security throughout the workplace. With its dual-frequency multi-technology, the pcProx Plus OEM module is highly configurable and capable of simultaneously handling any two of the available card reading technologies.

The pcProx Plus OEM module can be seamlessly integrated due to its capability of providing data via USB keystrokes, a Software Developer's Kit (SDK) interface, ASCII serial or Wiegand output. The reader can be configured to add keystrokes before or after card data. As an integrated reader, it has the ability to work with a multitude of applications.

Applications



PC/LAN Access Control
Application Log-On
Employee Identification



Time & Attendance
Meeting Attendance, Visitor Management
Hoteling



PLC & Embedded Controllers
Manufacturing



Secure Printing



OEM



Point of Sale



Kiosk

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 Plus OEM Module

Features

Easy Interface: Straightforward integration into your existing application. Data available as wiegand, serial or USB. Output available via SDK interface, USB keystrokes, wiegand or ASCII serial

Compatibility: Compatible with Windows CE®/2000®/XP®/Vista®/7®, Macintosh®, Solaris™, Sun Ray™ thin clients, embedded systems and Linux. (Free configuration software required on Windows® operating system.)

Note: The Device is configured through USB. This USB connection is required only for the configuration process.

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

Supported Cards

pcProx 125 kHz

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

*Unique ID

pcProx 13.56 MHz

iCLASS® SE™	iCLASS ID
iCLASS CSN	NFC CSN Type 2/4
I-Code CSN	I-tag CSN
ISO 14443A CSN ¹	ISO 15693 CSN
MIFARE CSN	MIFARE Ultralight CSN
my-d CSN	DESFire CSN
Tag-It CSN	Advant CSN (Legic)

¹Select NFC credentials

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.

RFID EAS

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Specifications—OEM

Operating Frequency: Both 125 kHz & 13.56 MHz (Dual)

Typical maximum read range:

125 kHz:
1.0" – 3.0" (2.5 – 7.6 cm) dependent upon proximity card type and environmental conditions

13.56 MHz:
2.0" – 4.0" (5.0 – 10.0 cm) with PVC ID cards ;
1.0" – 1.5" (2.5 – 3.8 cm) with labels or tags ;
1.0" – 2.0" (2.5 – 5.0 cm) with MIFARE card

Current Consumption: USB Units - Typical 70 mA, max 100 mA;
Serial Units - Typical 75 mA, max 110 mA

Dimensions: 2" x 1.43" (50.8 mm x 36.3 mm)

Weight: 0.6 oz (17.00 g)

Indicators: Tri-state LED, dual tone beeper

Power Supply: USB bus-powered, or 6 to 12 vdc

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)

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

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

Additional Products and Accessories



Optional Mounting Brackets



Mounted Desktop Reader



pcProx Plus 82 Series



Surface Mount

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