pcProx® Plus Surface Mount

Dual-frequency proximity and contactless Surface Mount card reader for identification and enrollment

Overview

The RF IDEAS pcProx Plus is a cutting-edge card reader that combines proximity and contactless technologies into one reader. The Surface Mount reader is capable 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. The pcProx Plus allows users to use their building access card or any 125 kHz or 13.56 MHz tags/labels for other forms of identification.

The Surface Mount card readers are specifically designed for applications such as kiosks, time & attendance, point of sale, hoteling, meeting attendance, as well as others which require special mounting versatility. These readers mount easily with two screws and fit in a single-gang electrical box. They incorporate all the functionality of the standard desktop readers and are ideal for specialized card and badge reading locations.

The plug-n-play reader comes with flash memory, allowing users to quickly configure the output to meet their needs. With its dual-frequency multi-technology, the pcProx Plus is highly configurable and capable of simultaneously handling any two of the available technologies.

As a card and badge enroller or reader, the Surface Mount emulates a keyboard to keystroke the card’s data to the cursor’s location in an application. The reader can be configured to add keystrokes and commands before or after the card’s data. It can be used as a stand-alone unit, or be seamlessly integrated with other software applications using the optional Software Developer’s Kit (SDK). As an integrated reader, the pcProx Plus Surface Mount has the ability to work with a multitude of applications.

Applications

- PC/LAN Access Control
- Application Log-On
- Employee Identification
- PLC & Embedded Controllers
- Manufacturing
- Time & Attendance
- Meeting Attendance, Visitor Management
- Hoteling
- Point of Sale
- Dispensing
- 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.
Specifications

Operating Frequency: Both 125 kHz & 13.56 MHz

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 - 75 mA, max 110 mA

Dimensions: 4.3” x 2.5” x 0.35” (10.9cm x 6.35cm x 0.89cm)

Weight: 2.6 oz. (73.70g)

Housing Color: Black or White

Cable Length: 13 inches (Custom Lengths Available)

Indicators: Tri-state LED, dual tone beeper

Power Supply: USB Self-powered; PoE; Serial RS-232: several power options exist

Interface: USB, Serial RS-232, Ethernet

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, REACH, RoHS, KC Korea, VCCI Japan, SRRC China, CITC S. Arabia, IFETEL Mexico, ANATEL Brazil, IDA Singapore - Call for new additions

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

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. RS-232 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®, Macintosh®, Solaris™, ThinManager® thin clients, and Linux. (Free configuration software required on Windows® operating system.)

Versatile Mounting Options: The Surface Mount housing (shown on front) can be easily mounted on kiosks, walls and other indoor applications. Other available form factors allow for easy, unobtrusive placement.

Supported Cards

pcProx 125 kHz
- AVID
- CASI-RUSCO®
- DIGITAG
- Farpointe Data
- HID® Prox
- Indala® (Motorola)
- Keri NXT
- Nexwatch (Honeywell)
- Radio Key®
- Secura Key
- Russwin*

Cardax*
Deister*
EM 410x
GProx™ II*
HiTag 1, S & 2
ioProx™ (Kantech)
Keri*
Pyramid
ReadyKey Pro*
Rossiare
GE Security

*Unique ID

pcProx 13.56 MHz
- iCLASS® SE™
- iCLASS CSN
- I-Code CSN
- ISO 14443A CSN
- MIFARE CSN
- my-d CSN
- Tag-It CSN
- Advant CSN (Legic)
- iCLASS ID
- NFC CSN Type 2/4
- I-tag CSN
- ISO 15693 CSN
- MIFARE Ultralight CSN
- DESFire CSN
- eTag CSN

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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.

pcProx Plus Surface Mount

pcProx Mat (Presence Detector)
Optional Mounting Brackets
pcSwipe™

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