

Single Badge Solutions for Identification and Access

## pcProx<sup>®</sup> Writer

**Desktop read/write reader for HID iCLASS  
and NXP MIFARE contactless smart cards**



### Overview

The pcProx 13.56 MHz product line meets a variety of needs in multiple situations. These contactless smart card readers leverage current badge investments and existing control systems while expanding technologies and applications with a single badge solution.

The pcProx Writer easily plugs into a computer and offers the user the ability to write to contactless smart cards via the included Card Manager software or through the optional Software Developer's Kit (SDK). The Writer provides the ability to write to any application area on iCLASS or MIFARE cards and allows users to set their own keys.

When used with contactless smart cards, it offers various security features, such as RF data encryptions and mutual authentication using user-defined unique keys. The pcProx Writer has the ability to enable a multitude of applications.

### Applications



Loyalty and Membership Programs  
Application Log-On  
Employee Identification



Time & Attendance  
Meeting Attendance, Visitor Management  
Hoteling



Kiosk



Point of Sale  
Equipment and Material Checkout

**WaveID<sup>®</sup>** 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.

## Features

**Easy Interface and Protocol:** USB models connect directly to a USB port and can be configured to send data as non-keystroking or serial ASCII. RS232 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

**Easy iCLASS and MIFARE Product Integration:** The SDK kit includes several high-level commands, which allows third-party developers to set up iCLASS and MIFARE products quickly. Commands include the following:

- Connect (automatically find/connect to the USB or RS232 pcProx Writers)
- Find free page/sector
- Fill page (with data)
- Erase page (making it free for other applications)
- Read from card or write data to card (specific block)
- Load key(s) in reader
- Write key to card

**Industry Standard Compliant:** Uses advanced semiconductor technology based on 13.56 MHz frequency to comply with numerous ISO standards. Readers can read data from cards compliant with the ISO 14443 & ISO 15693 standards, as well as read/write iCLASS & MIFARE.

**Security:** Contactless smart cards offer unique features, such as cryptographic data storage, mutual authentication, secure reading/writing of data, and user-defined access keys.

**Time and Cost Savings:** Allows users to leverage existing access control systems, while upgrading to new applications and technologies. Eliminates the need for training, printing, and card costs by using just one card.

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.



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## Specifications

**Typical maximum read range:**

- 2.0" – 4.0" (5.0 – 10.0 cm) with PVC ID cards
- 1.0" – 1.5" (2.5 – 3.8 cm) with key fobs
- 1.0" – 1.5" (2.5 – 3.8 cm) with labels or tags

**Dimensions:** 3.4" x 2.0" x 0.6"

**Weight:** 4.0oz (113.39g)

**Power Supply:** Nominal input: 5 Vdc; USB Model: via USB cable; PoE; RS232 model: via a pass-thru PS/2 connector or power supply adapter

**Interface:** USB, Serial RS232, Ethernet

**Transmit Frequency:** 13.56 MHz

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

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

**Indicators:** Tri-state LED, beeper

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

**Certifications:** FCC, United States; CE Mark, Europe; C-TICK, RoHS

## Part Numbers

Type	USB	RS-232	SDK
HID	RDR-7080AKU	RDR-7080AK2	DK-7080-DOWNLOAD
iCLASS			
MIFARE	RDR-7580AKU	RDR-7580AK2	DK-7080-DOWNLOAD

Note: RDR-708X-XXX units do not support DESFire. DESFire support is available on all RDR-758X-XXX readers.