RF IDEAS

pcProx® Nano Reader

COMPACT, MULTI-USE USB READER

Simplify authentication and access with the versatile pcProx Nano reader.

The pcProx® Nano reader incorporates all the features of the desktop and surface mount readers into an ultra-compact USB format. Its small size makes it easy for embedding into monitor housings, connecting to printers or for the mobile worker to do their job while complying with organizational guidelines for authentication, identification and access. The pcProx® Nano reader mounted in a laptop or tablet can help IT organizations protect valuable information while giving employees the ability to freely go to where the work is with the assurance of security, easy identification and simple access. Even with requirements for multiple passwords and access to various secured applications, the login process shouldn't get in the way of doing work. In time-sensitive situations, every second counts.

The ultra compact, USB format Nano badge reader is available in either 125 kHz proximity or 13.56 MHz contactless formats and includes all of the features found on the pcProx desktop and surface mount readers. Its small size makes it easy for the mobile worker to do their job while complying with organizational guidelines for authentication, identification and access.

Feature-Rich, Small Reader Profile

The revolutionary small size brings significant opportunity and flexibility in terms of solution variety and integration opportunities. The small form factor is not intrusive to the laptop user and avoids breakage costs common with larger dongle style readers. This compact reader lessens the number of pieces of hardware required for various solutions when embedded within housings or keyboards, for example, in solutions where access control is required. The pcProx 13.56 MHz reader is available with up to four badge (card) configurations. It also includes auto tuning for 13.56 MHz readers to ensure optimal read performance which can counter the effects of card variability or environmental factors.

125 kHz Proximity Horizontal

125 kHz Proximity Vertical

13.56 MHz Contactless Vertical

Backwards Compatibility

RF IDeas products are backward compatible. The pcProx Nano reader easily integrates into existing 125 kHz proximity or 13.56 MHz contactless smart card systems. The reader utilizes the existing configuration utility eliminating the need to create new applications. For partner applications that support pcProx readers, the pcProx Nano can be easily integrated which means no additional modification or training is required.

Secure Access

When an employee is away from the laptop or desktop computer, it is critical to secure access to the information. A pcProx Nano reader allows a user to easily access the device with a simple wave of an authorized badge. No longer does the user need cumbersome passwords. Multiple access cards can be configured to authenticate a single device, for environments where a computer is shared by several individuals. For secure printing, the compact size complements the efficiency of single and multi-function printers where print management software ensures print jobs are not released until an employee waves his badge at the reader.

pcProx® Nano 125 kHz Proximity or 13.56 MHz Contactless Reader

FEATURES & SPECIFICATIONS

Common Applications

The introduction of mobile badge readers opens the door to an unlimited number of applications. The Software Developer's Kit (SDK) allows independent developers to give their application the ability to read badge identification information directly off any contactless smart card. Below are some of the most common applications in key industries.

	HEALTHCARE	GOVERNMENT	MANUFACTURING	ENTERPRISE
Single Sign-on	✚	✚	✚	✚
Time & Attendance	✚	✚	✚	✚
Training Compliance	✚	✚	✚	✚
Point-of-Sale	✚	✚	✚	✚
Secure Print Management	✚	✚	✚	✚

STANDARD FEATURES	Proximity Card Readers	Contactless Smart Card Readers
Model Series	RDR-6X11AKU Enroll Vertical, RDR-6X12AKU 82 Series Vertical, RDR-6X21AKU Enroll Horizontal, RDR-6X22AKU 82 Series Horizontal (Note: X = Card Type)	RDR-7011AKU, RDR-7012AKU, RDR-7511AKU, RDR-7512AKU
Operating Frequency	125 kHz or 132 kHz	13.56 MHz
Interface	USB	
Software Developer Kit (SDK)	Yes	
PHYSICAL CHARACTERISTICS	**Proximity Card Readers**	**Contactless Smart Card Readers**
Dimensions (inches)	**Vertical**: Height 0.72" x Width 0.62" x Length 0.72" (18.3 mm x 15.7 mm x 18.3 mm) **Horizontal**: Height 0.36" x Width 0.62" x Length 1.14" (99.1 mm x15.7 mm x 29 mm)	Height 0.88" x Width 0.62" x Length 0.76" (22.4 mm x 15.7 mm x 19.3 mm)
Weight	0.14 oz (3.96 g)	0.20 oz (5.67 g)
Housing Color	Black	
Cable Length	Not applicable	
Indicators	LED (horizontal model only)	LED
Form Factors	Vertical mobile reader, Horizontal mobile reader	Vertical mobile reader
Power Supply	USB self-powered	
Power Consumption	70 mA typical, 100 mA maximum	60 mA typical, 150 mA maximum
ENVIRONMENT	**Proximity Card Readers**	**Contactless Smart Card Readers**
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)	
OTHER	**Proximity Card Readers**	**Contactless Smart Card Readers**
Certifications *(Please contact RF IDeas for information about other global certifications)*	FCC-United States; CE Mark-Europe; RCM-Australia; IC-Industry Canada; UL Environmental: RoHS, REACH	
Compatible Operating Systems	Windows XP®, 7®, 8®, 10® and Linux Ubuntu 12.04	
Card Types	HID® Prox, Indala®, EM 410x, AWID, CASI-RUSCO, Kantech ioProx Contact RF IDeas for additional card types.	**For RDR-701xAKU**: HID iCLASS SE, HID iCLASS Seos™ PAC **For RDR-751xAKU CSN reader**: HID iCLASS, ISO 14443A, MIFARE®, ISO 15693, NFC 1 (Topaz),FeliCa (NFC 3), ISO 14443B, CEPAS, MIFARE® DESFire®

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