

Readers for Identification and Enrollment of Proximity or Contactless Smart Cards



Overview

WAVE ID® Solo credential readers are designed for organizations seeking to implement new ways to improve efficiency and leverage their existing card system for applications beyond physical security. Engineered to work with virtually any proximity and contactless smart card technologies, the 13.56 MHz contactless model is compatible with nearly all 13.56 MHz cards. The 125 kHz proximity model provides error-free identification for over 300 million physical access cards worldwide. The WAVE ID Solo readers are available in keystroke and non-keystroke versions and can be configured to read up to four card types.

Developed to Meet and Exceed Stringent Secure Authentication Needs

The WAVE ID Solo reader is used for identification, authentication, and access control applications. rf IDEAS is the preferred partner for solutions that combine readers, credential technology and application software to eliminate manual entry of usernames and passwords, streamline workflow, and eliminate errors for identification.

Plug-and-Play Functionality and Seamless Integration

Connecting directly into a USB port, the WAVE ID Solo keystroke reader emulates a keyboard and outputs the card data to the cursor's location on the screen. The WAVE ID Solo reader is easily configured to increase security and control access. Through the configuration process, desired credential data output and access privileges for cardholders can be established. With our extended features, users benefit from additional flexibility to manipulate card data and further increase security with encryption. As a card enrollment or credential reader/tester, the USB model emulates a keyboard and keystrokes the card's ID and/or facility code to the cursor's location on the screen. The reader can be configured to add keystrokes before and after the card's data.

The WAVE ID Solo reader easily integrates into existing credential systems. It eliminates the need to add another credential or additional readers when increasing the number of applications that use credential systems for employee identification. The WAVE ID Solo reader supports standards ISO 14443 and ISO 15693 for access control, secure printing, time and attendance, and cashless payment. This reader is also available with serial or USB virtual COM interface and delivers the credential's data in ASCII.

Developer-friendly SDK

Integrate the reader with your software or hardware product through the use of the rf IDEAS Universal Software Developer's Kit (SDK). In contrast to the keystroke readers, the SDK or non-keystroking reader passes the raw card data offering nearly unlimited possibilities for user identification and authentication.

Trust begins here.™



Common Applications

Credential-based reader solutions help streamline workflow and avoid identification errors by eliminating the need to manually enter usernames and passwords. Here are some of the most common applications in key industries.

AUTHENTICATION SOLUTIONS FOR KEY MARKETS



Healthcare



Manufacturing



Government



Financial



Education



Events and Hospitality

COVERING THE FULL RANGE OF APPLICATIONS



Multi-Factor Authentication



Passwordless Single Sign-On



Time and Attendance



Secure Print Management



Mobile Authentication

PHYSICAL CHARACTERISTICS

RDR-6082AKU, RDR-6081AKU, RDR-6382AKU, RDR-6081AK0, RDR-6282AKU, RDR-6081AKU-C06, RDR-6982AKU, RDR-6082AKU-C16, RDR-6N82AKU

Model Series

RDR-6x81AKU Keystroke
RDR-6x82AKU SDK
Note: x = Card Type

Operating Frequency

125/132 kHz

Interface

USB, Ethernet, RS-232 or other

WAVE ID Plus SDK available for writing apps to the reader

Yes

PHYSICAL CHARACTERISTICS

Dimensions

Height 0.6" (1.52cm) x Width 2.0" (5.08cm) x Length 3 3/8" (8.57cm)

Weight

4.0 ounces (113.39g)

Housing Color

Black

Cable Length

6' standard; 6" and 16" lengths available

Indicators

LED indicator; Adjustable beeper volume (off, low, medium, high)

Form Factors

Desktop, surface mount, non-housed

Minimum Voltage

5V

Power Supply

USB powered; some RS-232 models require external power source

Power Consumption

70 mA typical, 100 mA maximum

ENVIRONMENTAL

Operating Temperature Range

-22° to 150°F (-30° to 65°C)

Operating Humidity Range

5% to 95% relative humidity, noncondensing

Storage Temperature Range

-40° to 185°F (-40° to 85°C)

OTHER

Certifications (Please contact rf IDEAS for information about other global certifications)

FCC-United States; CE Mark-Europe; RCM-Australia; IC-Industry Canada. Environmental: RoHS, REACH

Compatible Operating Systems

Windows XP®, 7®, 8®, 10® and Linux Ubuntu

Card Types

For a complete list, visit <https://www.rfideas.com/support/tools/supported-card-types>