

Our smallest and most capable desktop reader yet supports nearly all proximity and contactless credentials worldwide, including MIFARE® Secure cards.



The small yet powerful credential reader has an extensive feature set that includes:

- Four ID card configurations (2 are pre-set and all four are user definable)
- Auto-tuning for 13.56 MHz antenna to optimize performance in various environments
- User-selectable volume control including a beeper on/off setting
- Support for MIFARE Secure card types: DESFire EV1/EV2; Classic; Plus; Ultralight/Ultralight-C
- New compact and modern design

Superior Security just got Smaller

The versatile WAVE ID Plus reader combines proximity and contactless technologies into one reader that has the ability to hold four card configurations, enabling growing organizations to seamlessly integrate different ID card technologies. These credential readers are designed for customers seeking to leverage their existing card system for applications beyond building access.

Developed to read virtually any proximity or contactless card type in the world, the WAVE ID Plus is the most powerful, robust reader on the market for identification, authentication, and access applications. Credential-based reader solutions eliminate the need to manually enter user names and passwords, streamlining workflow and eliminating errors for identification.

Expanding Credential Identification Beyond Physical Access

The WAVE ID Plus reader easily integrates into existing card access systems, allowing companies to leverage the same cards they use to get into the building for countless applications involving logical access to network, software applications, and equipment. Connecting directly into the USB port, the reader emulates keystrokes of the USB model card data on the login screen. Its plug-and-play functionality requires no software for seamless integration with common operating systems and applications.

Smartcard Manager

The Smartcard Manager utility allows users to configure the reader to read both encrypted and unencrypted data on any of the four configuration settings. It also allows users to select the desired MIFARE card technologies such as DESFire®, Classic, Plus or Ultralight. Users can deploy an encrypted MIFARE Secure Key to the reader which prevents exposure of the keys.

Trust begins here.™

Common Applications

The introduction of the card reader which accommodates four configurations paves the way to an unlimited number of applications. Here 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

Model Series	RDR-80M31AKU WAVE ID Plus Mini with Mifare Secure Black Keystroking USB reader
Operating Frequency	125/132 kHz and 13.56 MHz
Interface	USB
SDK available for writing apps to the reader	Yes (Secure Card Type configuration is not supported via SDK and requires the Smartcard Manager utility)

PHYSICAL CHARACTERISTICS

Dimensions (inches)	Length 2.9" (74mm); Width 1.7" (42mm); Height 0.5" (13mm)
Weight	2.5 ounces (72g) with a 6' cable
Housing Color	Black (gray inlay)
Cable Length	6' standard; Contact rf IDEAS for other options
Indicators	LED indicator; Adjustable beeper volume (off, low, medium, high)
Form Factors	Desktop
Power Supply	USB self-powered
Power Consumption	65 mA typical, 185 mA maximum

ENVIRONMENT

Operating Temperature Range	-13° to 150°F (-25° 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

Certifications <i>(Please contact rf IDEAS for information about other global certifications)</i>	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, Red Hat), macOS and Android (keystroking and SDK only)
Configuration Tools	rf IDEAS Configuration Utility and Smartcard Manager Utility, available on rf IDEAS support page
Card Types	Supports nearly all card types worldwide. Visit rfIDEAS.com for full list of supported card types.

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