

Merge Form and Function in an Ultra-Slim Format for Multi-Purpose Authentication

The WAVE ID SP Plus is an ultra-slim, multi-purpose credential reader for identification, authentication and logical access. Its small, thin form factor enables various integrated or OEM installations in recessed compartments, as well as external mounting configurations. Additionally, the WAVE ID SP Plus can fit into a variety of purpose-built devices such as time clocks, kiosks, or protective enclosures.



Designed for Flexibility and Adaptability

Versatile and scalable, the WAVE ID SP Plus combines proximity and contactless technologies into one reader and is a future-proof investment with its SIM card slot for expansion with additional secure card types. These credential readers are designed for customers seeking to leverage their existing credential system for applications beyond building access. The reader, combined with existing or new employee credentials and application software, is the perfect trifecta for deploying solutions.

The WAVE ID SP Plus reader is a popular addition to the WAVE ID family of readers, known for its quality and versatility.

Key features include:

- Four ID card configurations to accommodate multi-card systems
- Auto-tuning 13.56MHz antenna to optimize performance in various environments
- User-selectable volume control including a beeper off setting for high noise or quiet zones
- Slot for optional SIM secure module (HID iCLASS SE® and HID iCLASS® Seos®; NXP AV2 for MIFARE® and MIFARE® DESFire® EV1 and EV2.) enables additional secured types

Keyboard Emulation

Connecting directly into a USB port, the WAVE ID SP Plus reader emulates a keyboard and outputs the credential ID and/or site code to the cursor's location on the screen. When an employee credential is presented to the reader, it will pass instantly to an organization's back-end network for authentication and access validation with an employee database, application, or active directory. The reader is highly configurable using the WAVE ID Configuration Utility.

Smartcard Manager

The Smartcard Manager allows users to configure the reader to read both encrypted and unencrypted data on any of the keys. It also allows users to select the

desired MIFARE card technologies such as DESFire.



® Users

Common Applications

Credential-based reader solutions help streamline workflow and avoid identification errors by eliminating the need to manually enter user names and passwords. 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 Printing	+	+	+	+

STANDARD FEATURES

Model Series	RDR-805H1AKU WAVE ID SP Plus Keystroke Reader RDR-80MH1AKU WAVE ID SP Plus MIFARE Secure Memory Keystroke Reader (comes with AV2 SAM) RDR-80MH1AKU-LF WAVE ID SP LEAF Keystroke Reader (requires AV2 SAM with LEAF key)
Operating Frequency	125/132 kHz and 13.56 MHz
Interface	USB
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 3.0" (7.62cm)
Weight	2.7 oz (76.6gm)
Housing Color	Black
Cables	Cables supported
Indicators	LED indicator (green, amber, red) Adjustable beeper volume (off, low, medium, high)
Form Factors	Desktop; flush mount
Minimum Voltage	5V
Power Supply	USB powered
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; Industry Canada; CE Mark; RCM; Japan. Environmental: RoHS, REACH.
Compatible Operating Systems	Windows XP®/7®/8.1®, 10® and Linux
Card Types	Supports nearly all card types worldwide. RDR-80MH1AKU-LF: supports the LEAF credential in addition to all card types supported by the WAVE ID Plus platform (no support for iClass ID/SE or SEOS). Visit https://leafidentity.com/for details on the LEAF credential RDR-80MH1AKU: Supports all card types supported by WAVE ID plus platform, with the addition of MIFARE DESFire EV1/EV2, MIFARE Classic, MIFARE Mini and MIFARE SmartMX (contactless only). No support for iClass ID/SE or SEOS.

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