

Support Endless Possibilities for Improved Contactless Authentication

Overview

The family of WAVE ID® contactless smart card readers eliminates the need for manual entry providing error-free identification. The WAVE ID Plus Surface Mount reader mounts nearly anywhere and supports improved authentication with nearly all proximity and contactless cards worldwide. The reader comes in four card configurations (two are pre-set and two are user-definable) and mounts easily with two screws on a single gang electrical box. In addition, it features user-selectable volume control with an optional beeper on/off setting.



All-in-One Flexible Design

WAVE ID Plus Surface Mount is a dual frequency programmable reader that reads both proximity and contactless smart cards. Users can leverage their 125 kHz or 13.56 MHz employee credentials for secure authentication and identification throughout the workplace.

The plug-and-play reader allows users to quickly configure the output to meet their unique needs. With its dual-frequency multi-technology design, the WAVE ID Plus Surface Mount is highly configurable and capable of simultaneously handling up to four card technologies.

Protect and Secure Sensitive Information

The WAVE ID Plus Surface Mount reader can improve organization workflows and eliminate errors typically found with individual identification systems. It can be easily mounted on kiosks, walls and other indoor surfaces. As an integrated reader, the device incorporates all the functionality of the standard desktop readers and is ideal for specialized credential reading locations. It is specifically designed for applications such as kiosks, time & attendance, point of sale, hoteling, meeting attendance and others that require special mounting versatility.

Error-Free Identification

Users can eliminate the need for manual user name and password entry and provide error-free identification and security throughout the workplace while leveraging existing employee credentials. The reader can be configured to add keystrokes and commands before or after the card data. It can be used as a stand-alone keyboard wedge unit, or seamlessly integrated with other software applications using an optional Software Developer's Kit (SDK).

The SDK enables software application developers to integrate the readers into their programs, using the raw data directly from proximity and contactless cards.

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:

	HEALTHCARE	GOVERNMENT	MANUFACTURING	ENTERPRISE
Single Sign-On	+	+	+	+
Time & Attendance	+	+	+	+
Training Compliance	+	+	+	+
Point-of-Sale	+	+	+	+
Dispensing	+	+	+	+

STANDARD FEATURES

Mounting Options	The WAVE ID Plus Surface Mount housing (shown on front) can be easily mounted on kiosks, walls and other indoor surfaces.
Operating Frequency	125 kHz and 13.56 MHz
Interface	USB, Serial RS-232 (ASCII serial), Ethernet (Ethernet Industrial Protocol, Modbus, TCP/IP)
SDK available for writing apps to the reader	Yes

PHYSICAL CHARACTERISTICS

Dimensions	4.3" x 2.5" x .35" (10.9 cm x 6.35 cm x .89 cm)
Weight	2.5 ounces (71 g)
Housing Color	Black or White
Cable Length	Various (contact sales for details)
Indicators	LED indicator; Adjustable beeper volume (off, low, medium, high)
Power Supply	USB Self-powered; PoE; Serial RS-232; Contact rf IDEAS® sales for Serial RS-232 power supply options.
Power Consumption	70 mA typical, 150 mA maximum

ENVIRONMENTAL

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

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 7®/8®/10® and Linux Ubuntu 12.04
Configuration Utility	Configuration Utility available on rf IDEAS support page
Card Types	Supports nearly all card types worldwide. Visit rfideas.com/cardcompatibility for a full list of supported card types.