Dual-Frequency Proximity and Contactless Readers for Identification and Enrollment

Overview

The WAVE ID® Plus Surface Mount E/IP reader combines proximity and contactless technologies into one reader. It is a desktop reader that is capable of reading both 125 kHz proximity cards and 13.56 MHz contactless cards.

Eliminate Manual Entry

This reader eliminates the need for manual entry and provides error-free identification and security throughout the workplace. It allows users to use their building access card or any 125 kHz or 13.56 MHz tags/labels for other forms of identification.

Tailored to User Needs

The plug-and-play reader comes with flash memory, allowing users to quickly configure the output to meet their needs. With its dual-frequency multi-technology, the WAVE ID Plus Surface Mount E/IP reader is highly configurable and capable of simultaneously handling any two of the available technologies.

As a card and badge enroller or reader, it emulates a keyboard to keystroke the card's data to the cursor's location in an application. The reader can be configured to add keystrokes and commands before or after the card's data.

Easy Interface and Protocol

EtherNet/IP equipped models interface seamlessly with Allen-Bradley RS Logix 5000 (or higher) software. Since there is no driver software to deploy, the plug-n-play reader design is easy to integrate into existing applications. The USB model connects directly to a USB port and can be configured to send data as keystroking, non-keystroking or serial ASCII.

Compatibility

Compatible with Windows XP®, 7®, 8®, 10® and Linux (Ubuntu, Red Hat), macOS and Android. (Free configuration software requires Windows® operating system.)

Versatile Mounting Options

The Surface Mount housing (shown on front) can be easily mounted on kiosks, Surfaces and other indoor applications. Other available form factors allow for easy, unobtrusive placement. Surface mount housing colors include black and white.

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.

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

STANDARD FEATURES		
Model Series	RDR-80xW1AxB-P	
Mounting Options	The WAVE ID Plus Surface Mount housing (shown on front) can be easily mounted on kiosks, Surfaces and other indoor surfaces.	
Operating Frequency	Both 125 kHz & 13.56 MHz	
Interface	Ethernet Industrial Protocol	
PHYSICAL CHARACTERISTICS		
Dimensions	4.3" x 2.5" x 0.35" (10.9cm x 6.35cm x 0.89cm)	
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	PoE	
Power Consumption	70 mA typical, 150 mA maximum	
Mounting Parts	The Surface Mount is designed for mounting with 1" #8 screws only (not included), at a max force of 6.25 in/lbs	
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	
Compatible Operating Systems	Windows XP®, 7®, 8®, 10® and Linux (Ubuntu, Red Hat), macOS and Android	
Card Types	Visit https://www.rfideas.com/cardcompatibility for full list of supported card types. Contact rf IDEAS for specific card type questions.	
Typical Maximum Read Range	1.0" – 3.0" (2.5 – 7.6 cm) dependent upon proximity card type and environmental conditions	2.0" – 4.0" (5.0 – 10.0 cm) with PVC ID cards; 1.0" – 1.5" (2.5 – 3.8 cm) with labels or tags; 1.0" – 2.0" (2.5 – 5.0 cm) with MIFARE card
Warranty	One year for material/workmanship defects; see complete policy for details.	

*Unique ID
**Select NFC credentials

4020 Winnetka Avenue, Rolling Meadows, IL 60008 // Toll Free: (866) 439-4884 //
Voice: (847) 870-1723 // Fax: (847) 483-1129 // Email: sales@rfIDEAS.com // rfIDEAS.com