

Support Endless Possibilities for Improved Contactless Authentication

The WAVE ID® Plus Surface Mount reader combines proximity and contactless technologies into one reader.

Some features of this reader include:

- The WAVE ID® Plus Surface Mount reader combines proximity and contactless technologies into one reader.
- Universal mobile credentialing out of the box for Apple Wallet/ECP2.0, Google Wallet/MIFARE2GO and Allegion HCE
- Compatible with Windows 10 (32 & 64 bit), 11 (64 bit), MacOS Monterey and above, Linux
- Standard four card configurations (two are preset; two are user-definable)
- Ideal for enrollment into third-party software or for single sign-on integrators
- User-adjustable beeper volume can be set to high, low or off as appropriate for the work environment
- The Wave ID Plus Surface Mount has an optional IP67-compliant kit that when implemented, allows the reader to achieve an IP67 rating
- Patented 13.56 MHz auto-tuning ensures optimal power transfer to avoid interference
- WAVE ID Plus Surface Mount reader supports the power of HID employee badge and Student ID in Apple Wallet

All-In-One Flexible Design

The WAVE ID Plus Surface Mount is a dual frequency programmable reader that reads both proximity and contactless smart cards. Users can leverage their 125kHz or 13.56 MHz employee credentials for secure authentication and identification throughout the workplace. Universal Wallet readers from rf IDEAS provide credential authentication that is compatible with Apple Wallet/ECP 2.0, Google Wallet/MIFARE 2GO, and Allegion HCE. Designed for enterprise, education, healthcare, and government sectors, this wallet-agnostic solution simplifies deployments, accelerates onboarding, and enhances security with support for multifactor authentication. Universal Wallet readers are suitable for both upgrading existing systems and implementing new installations. 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.



Easy Interface and Protocol

EtherNet/IP equipped models interface seamlessly with AllenBradley RS Logix 5000 (or higher) software. Connecting directly into the USB port, the reader emulates keystrokes of the USB model card data on the login screen. The serial models can connect to a RS232 port*. Its user-friendly functionality requires no software for seamless integration with common operating systems and applications. The reader integrates into your software or hardware product through the use of the rf IDEAS Software Developer's Kit (SDK).

Versatile Mounting & Applications

The Surface Mount is specifically designed for applications such as kiosks, time & attendance, point of sale, hoteling, meeting attendance and others that require special mounting versatility. Customizable to work with any card solution for any size corporation, this reader allows for unobtrusive placement in government, healthcare, manufacturing/ industrial and enterprise environments.

Trust begins here.™



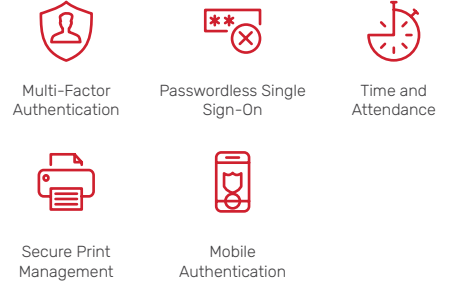
Common Applications


The introduction of the card reader which accommodates four configurations pave the way to an unlimited number of applications. Here are some of the most common applications in key industries.

AUTHENTICATION SOLUTIONS FOR KEY MARKETS



COVERING THE FULL RANGE OF APPLICATIONS



Reader Models	RDR-805W2BKU, RDR-805W1BKB-P, RDR-805W1BKU-C72, RDR-805W1BK6, RDR-805W1BK0, RDR-805W1BKE-P, RDR-805W1BK5, RDR-805W1BKU-C36, RDR-805W1BK5, RDR-805W1BK5, RDR-805W6BKU, RDR-805W1BK0, RDR-805W1BK8, RDR-805W1BK9, RDR-805W1BK0-C	RDR-800W1BKU, RDR-800W1BKU-C72, RDR-800W1BKB-P, RDR-800W1BK5, RDR-800W1BKE-P, RDR-800W1BKB, RDR-800W1BK8, RDR-800W1BKU-C36, RDR-800W1BK7, RDR-800W1BKB-P, RDR-800W2BKU, RDR-800W1BK0-C	RDR-80MW1BKU
Secure Access Module	N/A	HID OMNIKEY	MIFARE Secure
Secure Technology Type	N/A	HID SEOS iClass SE	DESFire EV1/EV2/EV3; Classic; Plus; Ultralight/Ultralight-C
Operating Frequency	125/132 kHz and 13.56 MHz		
Electrical/Mechanical Interface	USB-A, C/Virtual Com/RS-232 Serial/Ethernet		USB-A
Protocol/Operating Mode	Keystroke or rf IDEAS SDK	Keystroke or rf IDEAS SDK	Keystroke
Dimensions (L x W x H)	4.5" x 2.75" x 0.62" (114.3 mm x 69.8 0mm x 15.6 mm)		
Weight	2.5 ounces (71 g)		
Housing Color	Black		
Indicators	Quad-state LED (off, green, amber, red) and adjustable beeper (off, low, medium, high)		
Power Supply	USB self-powered; some RS-232 and Ethernet models require external power source		
Power Consumption	70 mA typical, 150 mA maximum		
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)		
Certifications	FCC-United States; CE Mark-Europe; RCM-Australia; IC-Industry Canada; UL Environmental: RoHS, REACH		
Compatible Operating Systems	Keystroke: USB HID keyboards compliant with USB protocol SDK: Windows 10 (30 & 64 bit), 11 (64 bit), MacOS Monterey and above, Linux Ubuntu 20.04 and above (64bit) Chromium Web Browsers (WebSDK), Google Chrome (Linux, Mac, or ChromeOS), Microsoft Edge (Linux & MacOS), Opera (Linux), Android 14 and below**, Raspberry Pi 3b & Pi 4 (Debian 11 Bullseye (64 & 32 bit) ** Android - versions 10 and above require custom firmware		
Configuration Utilities	Windows 10 (32 & 64 bit), 11 (64 bit), MacOS Monterey and above, Linux		
Proximity Card Types (125/132 kHz)			
Contactless Smartcard Types (13.56MHz)			
Accessories	KT-IP67 - IP67 rated housing kit		

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