

The most robust reader yet,
the WAVE ID Plus reads more
card types and has four different ID
card configurations.

The powerful WAVE ID Plus credential reader, known for its quality and versatility, has an extensive feature set that includes:

- Four ID card configurations (2 are pre-set and all four are user definable)
- Patented auto-tuning for 13.56 MHz antenna to optimize performance in various environments
- User-selectable volume control including a beeper on/off setting

The Most Robust Reader on the Market

The versatile WAVE ID Plus reader combines proximity and contactless technologies into one reader with 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.

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. The serial models can connect to a RS232 port. Its plug-and-play functionality requires no software for seamless integration with common operating systems and applications. The reader is also available in a CCID version, allowing plug-and-play operation with standard PC/SC drivers for Windows and other OS and including support for FIDO2 NFC authenticators.

Developer-Friendly SDK

Software Developer Kits (SDKs) allow independent programmers to develop and enable their applications with the ability to read ID card identification information directly off any of the proximity, contactless or magnetic swipe cards in use today. Software developers can easily create a solution that leverages the use of employee ID card data, resulting in added benefits to their applications such as single sign-on, QA tracking, cashless cafeteria, industrial vending or attendance.

Trust begins here.™

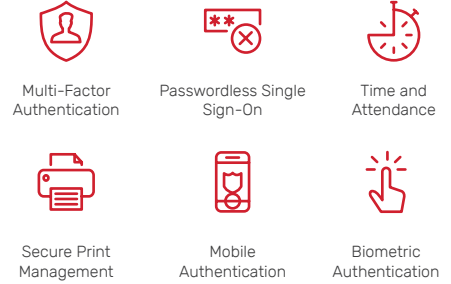
Common Applications


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



WAVE ID Plus Mini Desktop			
Reader Models	805	800	80M
Secure Access Module	N/A	HID OMNIKEY	MIFARE DESFire
Secure Technology Type	N/A	HID SEOS iClass SE	MIFARE EV1, EV2, EV3, Classic, Ultralight
Operating Frequency	125/132 kHz and 13.56 MHz		
Electrical/Mechanical Interface	USB/Virtual Com/RS-232 Serial/Ethernet		USB
Protocol/Operating Mode	Keystroke or rf IDEAS SDK or CCID or ASCII		Keystroke
Dimensions (L x W x H)	3.6" (90 mm) x 2.1" (52 mm) x Height: 0.7" (17 mm)		
Weight	4.0 ounces (113.39g)		
Housing Color	Black		
Cable Length	6' standard; 6" and 16" lengths available		
Indicators	Quad-state LED (off, green, amber, red) and adjustable beeper (off, low, medium, high)		
Power Supply	USB self-powered; some RS-232 models require external power source		USB self-powered
Power Consumption	65 mA typical, 185 mA maximum	65 mA typical, 185 mA maximum	65 mA typical, 185 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)		
MTBF	7 years		
Certifications (Please contact rf IDEAS for information about other global certifications)	FCC-United States; CE Mark-Europe; RCM-Australia; IC-Industry Canada; UL Environmental: RoHS, REACH		
Compatible Operating Systems	Windows XP®, 7®, 8®, 10®, 11® and Linux (Ubuntu, Red Hat), macOS and Android		
Configuration Utilities (available on rf IDEAS support page)	rf IDEAS Configuration Utility, Smart Card Manager, Remote Reader Management Tool		
Proximity Card Types (125/132 kHz)			
Contactless Smartcard Types (13.56MHz)			
NFCx, Mobile Credentials (13.56MHz)			
Accessories	KT-ANGLE-MINI: WAVE ID Black Angle Mini Mounting Bracket KT-ANGLE-MINI+CLIPS: WAVE ID Black Angle Mini Mounting Bracket w/Cable Clips KT-FLAT-MINI: WAVE ID Black Angle Mini Mounting Dual Lock Kit		

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WAVE ID Plus Surface Mount		
Reader Models	805W	800W
Secure Access Module	N/A	HID OMNIKEY
Secure Technology Type	N/A	HID SEOS iClass SE
Operating Frequency	125/132 kHz and 13.56 MHz	
Electrical/Mechanical Interface	USB/Virtual Com/RS-232 Serial/Ethernet	
Protocol/Operating Mode	Keystroke or rf IDEAS SDK or CCID or ASCII	
Dimensions (L x W x H)	3.6" (90 mm) x 2.1" (52 mm) x Height: 0.7" (17 mm)	
Weight	4.0 ounces (113.39g)	
Housing Color	Black	
Cable Length	6' standard; 6" and 16" lengths available	
Indicators	Quad-state LED (off, green, amber, red) and adjustable beeper (off, low, medium, high)	
Power Supply	USB self-powered; some RS-232 models require external power source	
Power Consumption	65 mA typical, 185 mA maximum	65 mA typical, 185 mA maximum
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Proximity Card Types (125/132 kHz)		
Contactless Smartcard Types (13.56MHz)		
NFCx, Mobile Credentials (13.56MHz)		
Accessories	IP-67 Kit	