

# **Product Guide**

Card Readers
Presence Detectors
Converters



# Safe, trusted authentication for any device.

Opportunity begins with trust. rf IDEAS provides the world's most trusted contactless authentication solutions for secure print management, identity and access management, time and attendance, and other critical applications. Count on our credential readers to keep your data safe and your people productive. **Trust begins here.**<sup>™</sup>





#### **About rf IDEAS**

rf IDEAS, founded in 1995, is the innovator of WAVE ID® technology, the standard for credential-based authentication and identification solutions powered by rf IDEAS readers. rf IDEAS manufactures a complete line of card readers and products that support nearly every proximity and contactless smart card in use worldwide.

rf IDEAS readers are used in numerous applications such as single sign-on, secure printing and attendance-tracking across several vertical markets including healthcare, manufacturing, government and enterprise. rf IDEAS is a subsidiary of Roper Technologies, a constituent of the S&P 500, Fortune 1000, and the Russell 1000 indices.

## **Applications:**



#### **Secure Print**

Add the ability to use the existing employee ID badge system to access and interact with printers.



#### **Mobile Credentials**

Enable the simplicity and convenience of using mobile devices for identification and authentication throughout the workplace with readers that incorporate **Bluetooth®** Low Energy technology.



#### Single Sign-on

Simplify the log-on and log-off process with a wave or tap of an employee badge for identification and authentication, granting users access into their desktop and other applications.



#### Manufacturing

Use the existing employee ID badge system for secure access to automation, data collection, quality control and job costing.



#### **Attendance Tracking**

Track time and attendance to increase overall workforce productivity and reduce payroll errors, giving the existing employee ID badge more versatility.



#### **OEM Integrations**

Integrate rf IDEAS devices directly into systems such as printers, vending, mobile devices, kiosks, truck scales and much more.



#### Point of Sale

Using the existing employee ID badge system, users can make cashless transactions with customized, easy-to-manage solutions throughout the facility.



#### **Dispensing**

Provide secure, automated access to material for items requiring high levels of control and compliance.



#### **Biometrics**

Provide identification and authorized access to areas and systems with high-level controlled security, along with monitoring and tracking user credentials.

### **Form Factors**



Desktop



Nano (Vertical)



Nano (Horizontal)



Nano USB-C



Mobile/BLE



SP/SP Plus



Bio



Surface mount



**OEM** 



**Analyze** 



Ethernet 241



Sonar

## **Products and Specifications**

	WAVE ID® Plus		WAVE ID® Solo	WAVE ID® Mobile			WAVE ID® SP Plus	WAVE ID® SP
							Marin Service	weefer .
NOIL	800 Series	805 Series		Safetrust Mobile Wallet	Orange Business Services PackID	HID Mobile Reader		
DESCRIPTION	Dual frequency: 125 13.56 MHz	kHz and	Single frequency: 125 kHz proximity OR 13.56 MHz contactless	Dual frequency: 125/132 kHz and 13.56 MHz	Dual frequency: 125/132 kHz and 13.56 MHz	Dual frequency: 125/132 kHz and 13.56 MHz	Dual frequency: 125 kHz and 13.56 MHz	Single frequency: 13.56 MHz only
	Supports iCLASS, SE and SEOS ID in addition to all card types supported by the 805 Series	Supports nearly all physical card types worldwide	Models that support nearly all proximity and contactless smart cards	Supports nearly all physical card types worldwide in addition to the Safetrust Wallet mobile credential	Supports nearly all physical card types worldwide in addition to the Orange Business Services Pack ID mobile credential	Supports nearly all physical card types worldwide and the HID Mobile Access® credential	Supports nearly all physical card types worldwide     Optional models that Support both LEGIC advant and prime smart cards, as well as MIFARE secure memory	Supports nearly all 13.56MHz contactless cards worldwide     Optional models that Support both LEGIC advant and prime
	Provides error-free ID card / badge access identification     Allows employees to use any 125 kHz or 13.56 MHz ID badge for various forms of logical access throughout the workplace		Identification and enrollment reader for proximity QR contactless smart cards     Provides error-free ID badge access identification     Eliminates need for manual entry     Allows for use of existing 125 kHz QR 13.56 MHz employee ID badges for various forms of logical access throughout the workplace	Easily phased into the existing reader network for seamless integration, eliminating the need for additional badges or readers while increasing the number of applications     Emulates a keyboard by keystroking badge information into a standard text editor     No additional software required for integration with most common operating systems     Compatible with USB keyboard inputs	Eliminate the need to manually enter usernames and passwords with simplified authentication     Use existing proximity card or contactless smart card systems     Sync with mobile devices for applications far beyond basic door access     Eliminate errors and streamline workflows through instant identification and authentication     As the first vendor authorized to resell the Pack ID credential, benefit from a single source to enable secure mobile access for a wide variety of applications from logical access to mobile wallet to cashless vending	HID Mobile Access incorporates the highly secure SEOS® platform as its underlying technology and is delivered through a highly reliable, easy-to-use and secure online management portal as an annual subscription service     Easily integrates into existing credential systems     Eliminates the need for additional credentials or readers     Increases the number of applications that can support contactless employee authentication and identification	Small, thin form factor enables embedded and integrated applications or OEM installations in recessed compartments or external mounting configurations     Streamlines the sign-on process, improving access control, security, and organizational workflow     With flash memory and supporting nearly all card types, the programmable reader allows users to quickly configure the reader's output to meet their needs	Delivers card ID in formats that multiple applications recognize     Standard four card configurations (two are preset; two are user-definable)     User-adjustable beeper volume can be set to high, low or off as appropriate for the work environment     13.56 MHz auto-tuning ensures optimal power transfer to avoid interference
FEATURES	Both 125 kHz & 13.56 MHz frequency     Helps meet HIPAA regulations     Helps meet CJIS Advanced Authentication compliance     IP67 compliant (IP67 surface mount)     Versatile mounting options		125 kHz OR 13.56 MHz frequency     Helps meet HIPAA regulations     Helps meet CJIS Advanced Authentication compliance     IP67 compliant     (IP67 surface mount)     Versatile mounting options	Dual card reader and Bluetooth® Low Energy module in one device, saving a USB port for other peripherals     Instant identification and authentication with your mobile smart device or employee ID badge     Four credential configurations to accommodate multicard systems and mobile credentials     User-selectable volume control including a beeper on/ off setting selection	Seamless integration with existing reader networks     Eliminates the need for additional badges or readers while increasing the number of applications     Emulates keyboard by keystroking badge information into a standard text editor     No additional software required for integration with most common operating systems     All applications are compatible with USB keyboard input	A dual card reader and Bluetooth Low Energy module in one device, saving a USB port for other peripherals     Instant identification and authentication with mobile smart devices and employee ID cards     Four ID credential configurations to accommodate multi-card systems     User-selectable volume control including a beeper on/off setting	USB models connect directly to a USB port and can be configured to send data as keystroking or non-keystroking or compatible with a variety of purpose-built devices such as multifunction printers, time clocks, kiosks or protective enclosures 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  13.56 MHz auto-tuning ensures optimal power transfer to avoid interference	Four ID card configurations (two are preset and all four are user-definable)     Auto-tuning for 13.56 MHz antenna to optimize performance in various environments     User-selectable volume control including a beeper on/off setting
SDK	Compatible with rf IDEAS Universal SDK		Compatible with rf IDEAS Universal SDK	Compatible with rf IDEAS Universal SDK	Compatible with rf IDEAS Universal SDK	Compatible with rf IDEAS Universal SDK	Compatible with rf IDEAS Universal SDK	Compatible with rf IDEAS Universal SDK
INTERFACE	USB (Keyboard Wedge) USB DLL (82 Series) USB Virtual COM Serial DB9 POE E/IP POE IP		USB (Keyboard Wedge) USB DLL (82 Series) USB Virtual COM Serial DB9 POE E/IP POE	USB (keyboard wedge)	USB (keyboard wedge)	USB (keyboard wedge)	USB (keyboard wedge)	USB (keyboard wedge)
POWER	USB self-powered 5V PS/2 RS232 5V pin 9 RS232 5V USB power tap RS232 (Some RS-232 models require external power source) 9V pin 9 RS232 POE		USB self-powered SV PS/2 RS232 SV pin 9 RS232 SV USB power tap RS232 (Some RS-232 models require external power source) PV pin 9 RS232	USB self-powered	USB self-powered	USB self-powered	USB self-powered	USB self-powered     Some RS-232 models require external power source
ORM FACTORS	Desktop     Surface Mount     OEM		Desktop     Surface Mount     OEM	• Desktop	• Desktop	• Desktop	Desktop (slim profile)     Surface Mount     OEM	Desktop (slim profile)     Surface mount     OEM

