

Identification. Possibilities.



RF IDEAS
Solutions for Identification and Access



About RF IDEAS

RF IDEAS, founded in 1995, is the innovator of WaveID®, the standard for badge-based authentication and identification solutions powered by RF IDEAS readers. RF IDEAS manufactures a complete line of pcProx® 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.



Product Guide

Card Readers, Presence Detectors & Converters

Proximity 125 kHz
Contactless 13.56MHz



Secure Unlimited



RF IDEAS

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Product Identification Guide

RF IDEas pcProx® products:

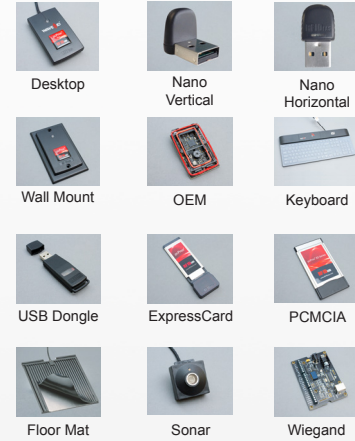
- ✓ Leverage badge technologies by expanding the capabilities of existing badge systems
- ✓ Power the solutions for millions of proximity and contactless smart card badges worldwide
- ✓ Provide a no-software plug-n-play functional integration, making them easy to install

Applications

- Computer Log-on:** Simplify the log-on and log-off process with a wave of an employee badge for identification and authentication, granting users access into their desktop and other applications.
- Physical Access:** Provide identification and authorized access to areas and systems with high level controlled security, along with monitoring and tracking user credentials.
- Multi-Function Printers:** Add the ability to use the existing employee ID badge system to access and interact with printers.
- Attendance Management:** Track time and attendance to increase overall workforce productivity and reduce payroll errors, giving the existing employee ID badge more versatility.
- OEM:** Suited for direct integration needs, embedding RF IDEas devices into systems such as printers, vending, mobile devices, kiosks, truck scales and much more.
- Manufacturing:** Utilize the existing employee ID badge system for secure access to automation, data collection, quality control and job costing.
- Dispensing:** Provide secure, automated access to material for items requiring high levels of control and compliance.
- Point of Sale:** Using the existing employee ID badge system, users can make cashless transactions with customized easy-to-manage solutions throughout the facility.
- Mobile:** Provide users simplicity and convenience by utilizing wireless devices for identification and authentication needs throughout the workplace incorporating RF ID and NFC technologies.

	Card Readers				Presence Detector	Converters			
	pcProx® Plus		pcProx® Enroll	pcProx® Playback	pcProx® Writer	pcSwipe™	pcProx® Sonar	Ethernet 241	Wiegand
Description	800 Series	805 Series	<ul style="list-style-type: none"> • Single band — 125 kHz proximity OR 13.56 MHz contactless • Identification and enrollment reader for proximity OR contactless smart cards • Provides error-free ID card / badge access identification • Eliminates needs for manual entry • Allows for use of existing 125 kHz OR 13.56 MHz employee ID badges for other forms of identification throughout the workplace 	<ul style="list-style-type: none"> • Delivers user data from the contactless card to the desired application • Interfaces contactless cards to existing applications and systems • HID iCLASS and MIFARE contactless card compatible 	<ul style="list-style-type: none"> • Desktop reader device for writing to HID iCLASS and MIFARE contactless cards • Allows for leveraging of existing access control systems, while expanding to new applications and technologies. • Eliminates need for training, printing and card costs by using just one card 	<ul style="list-style-type: none"> • Magnetic stripe card reader for identification and enrollment of magnetic stripe cards • Compatible with billions of magnetic stripe cards in circulation worldwide • Includes bi-directional swiping capability and fast swipe speeds for maximum usability 	<ul style="list-style-type: none"> • Plug-n-play, hands-free presence detector • Enables automatic secure logon session when user is present • Automatically locks a computer when a user steps away • Emulates a keyboard device allowing for individual keystrokes to be defined by users • Offers definable delay and trigger distance settings to detect user presence 	<ul style="list-style-type: none"> • Serial/USB to Ethernet device that enables secure print via employee ID badge identification for any network printer • Leverages existing employee ID badge systems with both multifunction and desktop printers • Provides one Serial port and one USB port for use with RF IDEas' pcProx card readers and one mini USB 5 VDC power port 	<ul style="list-style-type: none"> • Integrates standard Wiegand based reader technologies into other applications • Translates Wiegand data outputs to USB • Provides the computer/terminal/PLC interface when using ID badges for various access applications • Emulates a keyboard device allowing for individual keystrokes to be defined by users
	<ul style="list-style-type: none"> • Dual band 125 kHz & 13.56 MHz • Supports iCLASS ID and iCLASSE • Supports over 45 card types • Provides error-free ID card / badge access identification • Allows employees to use any 125 kHz or 13.56 MHz badge for other forms of identification 	<ul style="list-style-type: none"> • Both 125 kHz & 13.56 MHz frequency • Meets HIPAA regulations • Meets CJIS Advanced Authentication compliance • Meets IP67 compliance requirements (IP67 Wall Mount) • Versatile mounting options 							
Features	<ul style="list-style-type: none"> • Both 125 kHz & 13.56 MHz frequency • Meets HIPAA regulations • Meets CJIS Advanced Authentication compliance • Meets IP67 compliance requirements (IP67 Wall Mount) • Versatile mounting options 	<ul style="list-style-type: none"> • 125 kHz OR 13.56 MHz frequency • Meets HIPAA regulations • Meets CJIS Advanced Authentication compliance • Meets IP67 compliance requirements (IP67 Wall Mount) • Versatile mounting options 	<ul style="list-style-type: none"> • 13.56 MHz frequency—HID iCLASS and MIFARE • Multi-Application Solution provides storing ability for multiple applications on a single contactless credential • Meets HIPAA regulations • Meets CJIS Advanced Authentication compliance • Versatile mounting options 	<ul style="list-style-type: none"> • 13.56 MHz frequency—HID iCLASS and MIFARE • Ability to write to 13.56MHz contactless cards via the included software • Offers security features such as RF data encryptions and mutual authentication using user defined, unique keys • Versatile mounting options 	<ul style="list-style-type: none"> • Versatile mounting options • Meets HIPAA regulations 	<ul style="list-style-type: none"> • Easily attaches to the PC via a USB port and emulates a keyboard device • Solves security risks and privacy concerns with unattended computers without requiring additional software or user action. • Meets HIPAA regulations 	<ul style="list-style-type: none"> • Enables Secure Print features on any network printer—Security, compliance, flexibility, cost savings, and going green potential • Eliminates the need for additional network drop installations and associated costs 	<ul style="list-style-type: none"> • Ideal for those requiring pcProx Enroll functionality, but need an outdoor, longer read range reader • Compatible with any Wiegand device • Configurable flash memory supports any card format • Card information can be configured in the converter's flash memory 	
SDK	<ul style="list-style-type: none"> • Non keystroking available for 3rd party software users —82 Series • SDK compatible 	<ul style="list-style-type: none"> • Non keystroking available for 3rd party software users —82 Series • SDK compatible 	• N/A	• N/A	<ul style="list-style-type: none"> • Non keystroking available for 3rd party software users —82 Series • SDK compatible 	• N/A	• N/A	<ul style="list-style-type: none"> • Non keystroking available for 3rd party software users —82 Series 	
Interface	<ul style="list-style-type: none"> • USB (Wedge/Keyboard) • USB DLL (82 Series) • CDC USB Virtual Serial • Serial (RS232) • Ethernet • EtherNet/IP 	<ul style="list-style-type: none"> • USB (Wedge/Keyboard) • USB DLL (82 Series) • CDC USB Virtual Serial • Serial (RS232) • Ethernet • EtherNet/IP 	<ul style="list-style-type: none"> • USB (Wedge/Keyboard) • CDC USB Virtual Serial • Serial (RS232) • Ethernet • EtherNet/IP 	<ul style="list-style-type: none"> • USB (Wedge/Keyboard) • CDC USB Virtual Serial • Serial (RS232) • Ethernet • EtherNet/IP 	<ul style="list-style-type: none"> • USB (Wedge/Keyboard) • USB DLL (82 Series) • Serial (RS232) • Ethernet 	<ul style="list-style-type: none"> • USB (Wedge/Keyboard) • Serial (RS232) • Ethernet (RJ45) 	<ul style="list-style-type: none"> • USB (Wedge/Keyboard) • Serial (RS232) • Ethernet (RJ45) 	<ul style="list-style-type: none"> • USB (Wedge/Keyboard) • USB DLL (82 Series) • Serial (RS232, RS485) 	
Power Options	<ul style="list-style-type: none"> • USB • Serial 5V PS/2 RS232 • Serial 5V Pin 9 RS232 • Serial 5V USB PowerTap RS232 • Serial 9V Pin 9 RS232 • Serial DB9 • PoE • E/IP PoE 	<ul style="list-style-type: none"> • USB • Serial 5V PS/2 RS232 • Serial 5V Pin 9 RS232 • Serial 5V USB PowerTap RS232 • Serial 9V Pin 9 RS232 • Serial DB9 • PoE • E/IP PoE 	<ul style="list-style-type: none"> • USB • Serial 5V PS/2 RS232 • Serial 5V Pin 9 RS232 • Serial 5V USB PowerTap RS232 • Serial 9V Pin 9 RS232 • Serial 9V Barrel Connector • E/IP PoE 	<ul style="list-style-type: none"> • USB • Serial 5V USB PowerTap RS232 • E/IP PoE 	• USB	• USB	• 5 VDC Power via mini USB port	• USB	
Form Factors	<ul style="list-style-type: none"> • Desktop • Wall Mount • OEM 	<ul style="list-style-type: none"> • Desktop • Wall Mount • OEM 	<ul style="list-style-type: none"> • Desktop • Nano (Vertical & Horizontal) • Wall Mount • OEM • USB Dongle • ExpressCard • PCMCIA • Keyboard 	<ul style="list-style-type: none"> • Desktop • Nano • Wall Mount • OEM 	<ul style="list-style-type: none"> • Desktop • OEM 	<ul style="list-style-type: none"> • N/A 	<ul style="list-style-type: none"> • Sonar • Floor Mat 	<ul style="list-style-type: none"> • N/A 	<ul style="list-style-type: none"> • N/A

Form Factors



pcProx Supported Cards

Proximity 125 kHz	
AWID	Hitag® 2
Bosch ReadyKey Pro UID	Hitag® S
Cardax	Honeywell Nexwatch
Corbin Russwin®	IDTECK
CASI-RUSCO	Indala® 26 bit
CDVI	Indala® Custom
Cotag	ISONAS™
Deister	Kantech ioProx
DIGITAG	Keri Systems
EM 410x	Paradox
Farpointe Data® (Pyramid)	RF Logics
GPprox-II	Rosslare
HID Prox	SecuraKey Radio Key
Hitag® 1	

Contactless 13.56 MHz	
Farpointe Delta	MIFARE® DESFire® EV2 CSN
HID iCLASS® ID	MIFARE® Plus CSN
HID iCLASS SE® ID	MIFARE® Ultralight CSN
HID iCLASS® CSN	NFC 2 & 4 CSN
i-tag CSN	Philips I-Code SLI CSN
Infineon my-d™	SecuraKey e*tag® CSN
Legic® Advant CSN	Sielox/Checkpoint
Legic® Prime CSN	Sony FeliCa
MIFARE® Classic CSN	Texas Instruments Tag-it™ CSN
MIFARE® DESFire® CSN	XCeedID
MIFARE® DESFire® EV1 CSN	

*For other card types, please contact RF IDEas.