Unify Effectiveness with Efficiency Using RF IDeas' Best in Class Embedded OEM Readers

The need for authentication always exists, which is why there will always be an opportunity for an embedded OEM reader. Some examples include:

- Multi-Function Printers
- Medical carts
- Work station on wheels
- Medical equipment
- Human-Machine Interfaces (HMI)
- Work station applications
- Monitors
- Tool cabinets
- Point of Sale
- Industrial vending machines
- All-in-One computers
- Notebook computers
- Kiosks
- Time & Attendance
- Keyboards
- Electronic white boards
- And more…

Partnering with RF IDeas

We have fostered long-standing relationships with our partners that speak to our ability to deliver a reliable product and remain innovative in an ever-evolving landscape.

Through our partnership, your products can deliver solutions that validate authorization, streamline operations, control costs, improve security and offer other authentication results.

- We work alongside you during development, offering tailored solutions that support your protocols and design concepts.
- We place great importance on providing you with the highest quality product that meets your specifications and timelines and helps support the bottom line.
- We read virtually every proximity and contactless smart card worldwide.
- Our expertise in reader miniaturization is unmatched in the industry.
- Our products are certified in countries worldwide which means you order one product that's globally relevant.

At RF IDeas, we believe that without authentication, there is no security.

"RF IDeas has demonstrated itself to be a reliable and complementary supplier. It takes more than simply having the technology and products to be a successful OEM technology provider. They have the expertise in helping integrate and implement technology solutions, allowing us to position Imprivata as the leader in healthcare IT security. The quick turn-around from conversation to proof of concept through production and delivery is outstanding."

- Marisa DeMarco, Global Operations Manager, Imprivata

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"Our customers expect high-quality design, quality and function so when we developed the HP Healthcare Edition Portfolio, we chose RF IDeas for their broad design support, innovative firmware and expertise in delivering a miniature reader that seamlessly integrated into our design guidelines."

- **Reid Oakes, Senior Director of Worldwide Healthcare at HP, Inc.**

RF IDeas was awarded consecutive HP® JetAdvantage Sales Excellence Awards in recognition of our role in securing large deployment contracts.

RF IDEAS
Solutions for Identification and Access

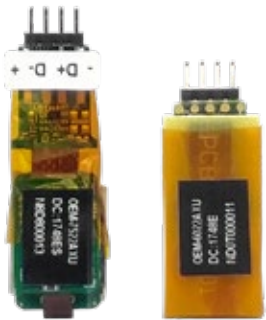# Integrated Authentication for Seamless Security

RF IDEAS EMBEDDED OEM READERS
BRINGING AUTHENTICATION EXPERTISE TO YOUR SOLUTIONS

As a global industry leader in user authentication, we pair engineering expertise with readers that not only operate across every industry, but also read virtually every card type in the market today.

Authentication becomes a seamless part of every interaction with RF IDeas versatile portfolio of embedded original equipment manufacturer (OEM) readers. RF IDeas' flexibility in form factor design offers the ability to verify credentials while meeting other design goals and improving profit margins. Get to market faster through an OEM partnership that allows you to focus on your core competencies because we've focused on ours.

Industry-leading technology designed to strengthen your brand

Gain intimate knowledge on authentication when partnering with the experts at RF IDeas. We are constantly monitoring the market and refining our solutions to change with industry trends. Our engineering expertise and industry knowledge is built into your device, helping you to strengthen your brand and reduce costs while providing better products.

Actual Size

RF IDeas Embedded OEM Portfolio

	pcProx® 125 kHz Nano OEM Module	pcProx® 13.56 MHz Nano OEM Module	pcProx® Non-Housed 125 kHz	pcProx® Non-Housed 13.56 MHz	pcProx® Plus OEM	pcProx® Plus V2 Non-Housed	pcProx® Plus SP Embedded/Integrated/OEM
pcProx® and pcProx® Plus OEM and Non-Housed Modules							
STANDARD FEATURES	Single Frequency	Single Frequency	Single Frequency	Single Frequency	Dual Frequency	Dual Frequency	Dual Frequency
Operating Frequency	125 kHz Proximity	13.56 MHz Contactless Smart Card	125 kHz Proximity	13.56 MHz Contactless Smart Card	125 kHz & 13.56 MHz	125/132 kHz and 13.56 MHz	125/132 kHz and 13.56 MHz
Model Series							
• USB Keystroke	OEM-6x21AXU	OEM-7521AXU	RDR-60N1AKU-C06	RDR-75N1AKU CSN	OEM-8xx1AKU	RDR-80xN1AKU	RDR-805H1AKU
• SDK/Non-keystroke – raw data	OEM-6x22AXU	OEM-7522AXU	RDR-60N2AKU-C06	N/A	OEM-8xx2AKU	RDR-80xN2AKU	RDR-805H2AKU
• Serial	N/A	N/A	RDR-60N1AK5 5V Pin 9 RDR-60N1AK9 + 5V USB RDR-60N1AK7 9V Ext PS	RDR-75N1AK5 5V Pin 9	OEM-8xx1AK5 OEM-8xx1AKT	RDR-80xN1-2 No cable RDR-80xN1-2-WM No cable connectorized RDR-80xN1AK2 5V PS/2 RDR-80xN1AK5 5V Pin 9 RDR-80xN1AK6 9V Pin 9 RDR-80xN1AK7 9V Ext PS RDR-80xN1AK8 5V Ext PS RDR-80xN1AK9 5V USB Pwr	N/A
Number of Configurations	1	4	1	1	2	4	4
Interface(s) *Contact RF IDeas for more models	USB	USB	USB, Serial	USB, Serial	USB, Serial, TTL Wiegand, clock & data	USB, Serial	USB
PHYSICAL CHARACTERISTICS							
Dimensions	34 mm x 14 mm x 4 mm (1.3" x 0.6" x 0.2")	41 mm x 12 mm x 5 mm (1.6" x 0.5" x 0.2")	77 mm x 47 mm x 14 mm (3.0" x 1.9" x 0.6")	76 mm x 47 mm x 14 mm (3.0" x 1.9" x 0.6")	58 mm x 37 mm x 13 mm (2.3" x 1.5" x 0.5")	76 mm x 47 mm x 16 mm (3.0" x 1.9" x 0.6")	66 mm x 44 mm x 11 mm (2.6" x 1.7" x 0.4")
Weight	3 grams (0.1 ounces)	2 grams (0.07 ounces)	28 grams (1 ounce)	28 grams (1 ounce)	28 grams (1 ounce)	28 grams (1 ounce)	15 grams (.52 ounces)
Connector Type	4 pin, 2 mm pitch	4 pin, 2 mm pitch	USB, Ethernet or RS232 DB9	USB, Ethernet or RS232 DB9	USB	USB, RS232 DB9	USB
Mechanical Installation Type	3M double-faced adhesive tape 10 mm x 10 mm	3M double-faced adhesive tape 10 mm x 10 mm	N/A	N/A	N/A	N/A	Embedded or external reader with double-face tape
Audio Prompts (Beep)	No	No	Yes	Yes	Yes	Adjustable beeper volume	Adjustable beeper volume
Visual Prompts (LED)	No	No	Tri-state LED	Tri-state LED	Tri-state LED	Tri-state LED	Tri-state LED
Power Supply	USB self-powered	USB self-powered	USB self-powered; PoE; external 5V or 9V power supply	USB self-powered; PoE	USB Self-powered; PoE; Serial RS-232	USB self-powered; PoE, external 5V or 9V power supply	USB self-powered
Power Consumption	USB: 70 mA Typical, 100 mA maximum	USB: 60 mA Typical, 150 mA maximum	USB: 70 mA Typical, 100 mA maximum	USB: 70 mA Typical, 100 mA maximum	USB: 70 mA Typical, 100 mA maximum Serial units: 75 mA Typical, maximum 110 mA	USB: 70 mA Typical, 125 mA maximum Serial units: 60 mA Typical, maximum 90 mA	70 mA Typical, maximum 100 mA
ENVIRONMENTAL							
Operating Temperature Range	-22° to 150°F (-30° to 65°C)				-22° to 150°F (-30° to 65°C)		
Operating Humidity Range	5% to 95% relative humidity, non-condensing				5% to 95% relative humidity, non-condensing		
Storage Temperature Range	-40° to 185°F (-40° to 85°C)				-40° to 185°F (-40° to 85°C)		
OTHER							
Certifications	FCC, Industry Canada, CE Mark, RCM, RoHS, Reach. Contact Sales@RFIDeas.com for more country certification information.	FCC, Industry Canada, CE Mark, RCM, RoHS, Reach. Contact Sales@RFIDeas.com for more country certification information.	FCC, Industry Canada, CE Mark, RCM, RoHS, Reach. Contact Sales@RFIDeas.com for more country certification information.	FCC, Industry Canada, CE Mark, RCM, RoHS, Reach. Contact Sales@RFIDeas.com for more country certification information.	FCC, Industry Canada, CE Mark, RCM, RoHS, Reach, and more than 50 countries worldwide. Contact Sales@RFIDeas.com for more country certification information.	FCC, Industry Canada, CE Mark, RCM, RoHS, Reach. Contact Sales@RFIDeas.com for more country certification information.	FCC, Industry Canada, CE Mark, RCM, RoHS, Reach, and more than 60 countries worldwide. Contact Sales@RFIDeas.com for more country certification information.
Compatible Operating Systems	Windows XP®/7®/8®/10® and above; Linux; Dell Wyse ThinOS				Windows XP®/7®/8®/10® and above; Linux; Dell Wyse ThinOS		
Supported Card Types	https://www.rfideas.com/ pcprox-supported-card-types	https://www.rfideas.com/ pcprox-supported-card-types	https://www.rfideas.com/ pcprox-supported-card-types	https://www.rfideas.com/ pcprox-supported-card-types	Multiple card types — https://www.rfideas.com/pcprox-plus-card-types		

*"x" in the part number indicates various options. Visit www.RFIDeas.com or contact sales@RFIDeas.com for more information.