

Dual-Frequency Proximity, Contactless and Mobile Credential Reader with **Bluetooth®** Low Energy Technology

The WAVE ID Mobile Mini combines a multi-frequency programmable card reader with integrated **Bluetooth®** low energy technology. In addition to reading both proximity (125 kHz) and contactless smart cards (13.56 MHz), it also works with BLE enabled devices to read mobile credentials in end-user applications such as in-building location and secure authentication.

Mobile Credentials

The WAVE ID Mobile Mini credential reader is compatible with the industry-leading Pack ID mobile credential solution from Orange Business Services, available for both iOS and Android through rf IDEAS. The WAVE ID Mobile Mini Demo app provides an example for customers who want to develop their own applications for device access, asset tracking, enhanced single sign-on, time & attendance and more, based on mobile authentication, traditional ID cards, or a combination. Support for the emerging Public Key Open Credential standard (PKOC) from the Physical Security Interoperability Alliance offers even greater versatility.

Simple Authentication

Improve security, eliminate identification errors and streamline workflows by using existing ID cards and mobile devices for logical access throughout your enterprise. Features include:

- Universal mobile credentialing out of the box for Apple Wallet/ECP2.0, Google Wallet/MIFARE2GO and Allegion HCE
- 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



Seamless Integration

The WAVE ID Mobile Mini reader seamlessly integrates into existing authentication and identification solutions, emulating a keyboard to automatically enter relevant credential information. Its plug-and-play functionality works with most common operating systems and applications that accept USB keyboard input. The rf IDEAS Universal Software Developers Kit (SDK) enables developers to easily create solutions that use employee physical or mobile credentials for applications such as compliance reporting, secure printing, location tracking, cashless cafeteria, industrial vending and many more.

The Next WAVE of Wallet Access

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.

Trust begins here.™



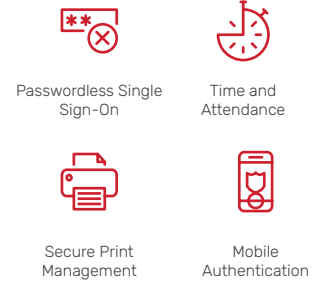
Common Applications

The introduction of the badge reader with Bluetooth low energy technology paves the way to an unlimited number of applications. Below are just a few of the most common applications, by key industry that can utilize rf IDEAS dual band badge readers with **Bluetooth** low energy technology.

AUTHENTICATION SOLUTIONS FOR KEY MARKETS



COVERING THE FULL RANGE OF APPLICATIONS



STANDARD FEATURES	
Model Series	RDR-30031EKU-MXS
Operating Frequency	125 kHz (LF) and 13.56 MHz (HF); 2.4 GHz (BLE)
Interface	USB
WAVE ID Plus SDK	DK-PCPRX-DOWNLOAD
Badge Configurations	Up to 4 configurations; Standard Configuration: Config #1 - HID Prox: RDR-608x Compatible, Config #2 - RDR-758x Equivalent, Config #3 - OFF, Config #4 - OFF; user-definable
PHYSICAL CHARACTERISTICS	
Dimensions (inches)	Length 2.9" (74mm); Width 1.7" (42mm); Height 0.5" (13mm)
Weight	~3 ounces (86g) with a 6' cable
Form Factors	Desktop
Cable Length	6' (152.4mm) standard; Contact rf IDEAS for other options
Indicators	LED indicator (green, amber, red)
Volume Control	User-selectable beeper volume (off, low, medium, high)
Power Supply	USB powered
Power Consumption	65 mA typical, 225 mA maximum
ENVIRONMENTAL	
Operating Temperature Range	-13° to 150°F (-25° to 65°C)
Operating Humidity Range	5% to 95% relative humidity, non-condensing
Storage Temperature Range	-40° to 185°F (-40° to 85°C)
OTHER	
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® and Linux®
Card Types	Supports nearly all physical card types worldwide; contact rf IDEAS for specific card type questions or view our list here: https://www.rfideas.com/support/tools/supported-card-types
Software Tools	WAVE ID Mobile Configurator: https://www.rfideas.com/support/tools/downloads WAVE ID Mobile App: https://apps.apple.com/us/app/wave-id-mobile/id1498224533 (for iOS) https://play.google.com/store/apps/details?id=com.rfideas.waveid (for Android)
BLUETOOTH FEATURES	
Mobile Credentials Supported	Orange PACK ID®, WAVE ID® Mobile; PSIA PKOC
BLE Beacons	Configurable for Eddystone, Alt Beacon and iBeacon (requires the WAVE ID Mobile Configurator utility)
Supported Protocols	Bluetooth 5.3

WAVE ID® is a registered trademark of rf IDEAS, Inc. Trademarks not belonging to rf IDEAS are property of their respective companies. ©2025 rf IDEAS, Inc. All rights reserved. Products are subject to change without notice.