

HF | LF - Stationary Reader rf IDEAS - WAVE ID® Mobile Mini

- Dual-Frequency RFID: 125 kHz (LF) + 13.56 MHz (ISO 14443)
- Integrated Bluetooth® Low Energy (BLE 5.3)
- Supports PSIA PKOC mobile credential standard
- Configurable BLE beaconing
- Windows & Linux compatible



HF | LF - Stationary Reader Secure NFC Reader Module with SAM Slot

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.

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.

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.

Common Applications

- Passwordless Single Sign-On
- Time & Attendance
- Secure Print Management
- Mobile Authentication
- Asset & Location Tracking
- Compliance Reporting

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TECHNICAL SPECIFICATIONS

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
Environment	
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	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®
Configuration Tools	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
Card Types	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