

Dual-frequency proximity, contactless and HID Mobile Access credential reader with **Bluetooth®** Low Energy Technology

In addition to reading both proximity cards (125 kHz) and contactless smart cards (13.56 MHz), this reader also interacts with Bluetooth Low Energy enabled mobile devices. These devices can carry secure authentication and identification credentials, providing a convenient identity access solution for a variety of applications in every industry.

Mobile Credentials

With advancements in mobile credentials, the rf IDEAS® WAVE ID Mobile reader is an ideal investment to enable mobility for greater business performance while supporting existing infrastructures. The WAVE ID Mobile reader is compatible with the industry-leading HID Mobile Access credential, available from HID Global through rf IDEAS.

HID Mobile Access incorporates the highly secure platform as its underlying technology. This is delivered through a highly reliable, easy-to-use and secure online management portal as an annual subscription service. Together with the Wave ID Mobile reader, the credential provides a complete logical access solution for today's mobile-dominated business environment.

Simple Authentication

rf IDEAS programmable card readers enable customers to extend their existing card system or mobile credential beyond basic building access to secure applications throughout the enterprise. These solutions eliminate the need to manually enter usernames and passwords, streamlining workflows and eliminating identification errors.



Seamless Integration

The WAVE ID Mobile reader easily integrates into existing credential systems, eliminating the need for additional credentials or readers while increasing the number of applications that can support contactless employee authentication and identification. The reader emulates a keyboard by keystroking credential information into a text field of an application such as Microsoft® Notepad. Its plug-and-play functionality requires no additional software, providing seamless integration with most common operating systems and applications compatible with USB keyboard input.

The rf IDEAS Universal Software Development Kit (SDK) enables developers to easily integrate the WAVE ID Mobile Bluetooth Low Energy reader into their application software programs. Software developers can quickly create solutions that use employee physical or mobile credential data to bring added benefits to their applications, such as single sign-on, compliance reporting, cashless cafeteria, industrial vending or time and attendance.

- Support for HID Mobile Access, WAVE ID, Orange Pack ID, or PSIA PKOC BLE mobile credentials
- WAVE ID Mobile Mini supports the power of HID employee badge and Student ID in Apple Wallet
- Optional support for MIFARE Secure card types: DESFire EV1/EV2/EV3; Classic; Plus; Ultralight/Ultralight-C
- Compatible with the WAVE ID Configuration Card Writer
- BLE beaconing for indoor location and asset tracking
- Patented auto-tuning for 13.56 MHz antenna to optimize performance in various environments
- Four ID card configurations (up to 3 card types and one mobile)
- Compatible with our Mini Desktop mounting bracket to prevent tampering, removal, and disassembly



Common Applications

The introduction of a credential reader with Bluetooth Low Energy technology unlocks an unlimited number of applications. Here are just a few of the most common applications and key industries that can benefit from rf IDEAS dual-band credential readers with Bluetooth Low Energy technology.

AUTHENTICATION SOLUTIONS FOR KEY MARKETS



COVERING THE FULL RANGE OF APPLICATIONS



WAVE ID Mobile Mini Reader for HID Mobile Access	
Reader Models	RDR-30031EKU-MXS
Secure Access Module	HID OMNIKEY
Secure Technology Type	HID SEOS ICLASS SE
Operating Frequency	125/132 kHz, 13.56 MHz and 2.4 GHz (BLE)
Electrical/Mechanical Interface	USB-A, C
Protocol/Operating Mode	Keystroke
Dimensions (L x W x H)	2.9 in x 1.7 in x 0.5 in (7.4 cm x 4.2 cm x 1.3 cm)
Weight	3 ounces (86 g)
Housing Color	Black
Indicators	Quad-state LED (off, green, amber, red) and adjustable beeper (off, low, medium, high)
Power Supply	USB self-powered
Power Consumption	65 mA typical, 185 mA maximum
Operating Temperature Range	-22° to 150°F (-30° to 65°C)
Operating Humidity Range	5% to 95% relative humidity, non-condensing
Storage Temperature Range	-40° to 185°F (-40° to 85°C)
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 10 (32 & 64 bit), 11 (64 bit), MacOS Monterey and above, Linux
Configuration Utilities (available on rf IDEAS support page)	rf IDEAS Configuration Utility, Smart Card Manager, Remote Reader Management Tool
Proximity Card Types (125/132 kHz) Contactless Smartcard Types (13.56MHz)	
Accessories	BKT-MINI: Mini Desktop Mounting Bracket KT-ANGLE-MINI: WAVE ID Black Angle Mini Mounting Bracket KT-ANGLE-MINI+CLIPS: WAVE ID Black Angle Mini Mounting Bracket w/Cable Clips KT-FLAT-MINI: WAVE ID Black Angle Mini Mounting Dual Lock Kit

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