

Meet EPCS and HIPAA Compliance Requirements in Healthcare and Other Environments



The WAVE ID Bio multi-factor authentication reader is the ideal choice for healthcare technology professionals preparing for compliance with upcoming Electronic Prescribing of Controlled Substances (EPCS) as well as the Healthcare Insurance Portability and Accountability Act (HIPAA).

The innovative reader addresses key needs related to multi-factor authentication via its WAVE ID® Plus platform capable of reading most proximity and contactless credentials, along with biometric data.

The all-in-one design of the WAVE ID Bio reader provides a higher level of identity access than conventional readers, delivering a secure, future-focused technology investment. The reader also offers security advantages in banking & financial and state/local government applications.

The reader is dual frequency and reads 125 kHz proximity, 132 kHz or 13.56 MHz formats. In addition, a fingerprint module is integrated for seamless multi-factor authentication.

Advanced Multi-Factor Authentication in a Single Device

WAVE ID Bio incorporates the rf IDEAS flagship WAVE ID Plus platform capable of reading most global proximity and contactless credentials with **Bluetooth®** Low Energy technology and a fingerprint sensor from Crossmatch.

The rich feature set of WAVE ID Bio includes:

- Four ID card configurations (two are pre-set and all four are user definable)
- Auto-tuning for 13.56 MHz antenna to optimize performance in various environments
- User-selectable volume control including a beeper on/off setting
- Bluetooth functionality enabled through the Bluegiga BLE113 Bluetooth Smart Module
- TouchChip® TCE FIPS201 certified silicon fingerprint module from HID

The multi-factor authentication provided by WAVE ID Bio will comprise any two of the three tenets for security: what the practitioner knows (for example, a password), what the practitioner has (including a hard token or smart card), and what the practitioner is (biometric data such as a fingerprint).

Meets Emerging Compliance Requirements

The WAVE ID Bio is engineered to deliver badge, smartphone token and biometric authentication while meeting upcoming EPCS regulations mandated by the Patients and Communities Act. These regulations are required for the distribution of controlled substance prescriptions starting on January 1, 2021, giving organizations preparation time to implement compliant readers ahead of the legislation.

Trust begins here.™



Common Applications

Credential-based reader solutions help streamline workflow and identification errors by eliminating the need to manually enter user names and passwords. The reader offers security advantages in these industries:

AUTHENTICATION SOLUTIONS FOR KEY MARKETS



Healthcare



Manufacturing



Government



Financial



Education

COVERING THE FULL RANGE OF APPLICATIONS



Passwordless Single Sign-On



Time and Attendance



Secure Print Management



Mobile Authentication

STANDARD FEATURES	
Model Series	RDF-30542AKU: WAVE ID Bio SDK Badge, BLE & Fingerprint Combo Black USB Reader
Operating Frequency	Dual Frequency
Interface	USB
SDK available for writing apps to the reader	Yes: • rf IDEAS SDK DK-PCPRX-DOWNLOAD for the card reader • Silicon Labs SDK for the BLE113 Module available at http://www.silabs.com/products/development-tools/software/bluegiga-bluetooth-smart-software-stac • U.are.U SDK for the Fingerprint Sensor from HID (Crossmatch)
PHYSICAL CHARACTERISTICS	
Dimensions	3.5 in x 2.5 in x 0.6 in (8.9 cm x 6.4 cm x 1.6 cm)
Weight	1.7 oz (48 grams) - preliminary
Housing Color	Black (gray inlay)
Cables	6ft USB-A cable
Indicators	LED indicators, beeper included
Form Factors	Fingerprint Desktop Housing
Power Supply	USB powered
Power Consumption	70 mA typical, 100 mA maximum
ENVIRONMENTAL	
Operating Temperature Range	-22° to 150°F (-30° to 65°C)
Operating Humidity Range	5% to 95% relative humidity, noncondensing
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. Environmental: RoHS, REACH
Compatible Operating Systems	Windows 10 (34 & 64 bit), 11 (64 bit), MacOS Monterey and above, Linux Linux Ubuntu 20.04 and above (64bit) Chromium Web Browsers (WebSDK), Google Chrome (Linux, Mac, or ChromeOS), Microsoft Edge (Linux & MacOS), Opera (Linux), Android 14 and below**, Raspberry Pi 3b & Pi 4 (Debian 11 Bullseye (64 & 32 bit) ** Android - versions 10 and above require custom firmware
Card Types	All card types supported by the WAVE ID Plus reader platform For a complete list, visit https://www.rfideas.com/pcprox-plus-card-types

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