

The next-generation WAVE ID® reader specifically designed to interact with the LEGIC® algorithm and card technologies.



WAVE ID Solo card readers are designed for organizations seeking to implement new ways to improve efficiency as well as leveraging their existing card system for applications beyond physical security. The WAVE ID Solo reader for LEGIC 13.56 MHz contactless smart cards works with the proprietary LEGIC algorithm for data authentication and supports both LEGIC advant and LEGIC prime card technologies. It reads the UID and segments on the LEGIC cards. The WAVE ID Solo readers are available in keystroke and non-keystroke versions.

### Developed to Meet and Exceed Stringent Secure Authentication Needs

The WAVE ID Solo reader for LEGIC 13.56 MHz smart cards is used for identification, authentication, and access control applications. IT organizations select LEGIC card technology for its enhanced level of security, flexibility, Unique ID (UID) anti-collision design and additional protection of identity. rf IDEAS is the preferred partner for solutions that combine readers, card technology and application software to eliminate manual entry of user names and passwords, streamline workflow and eliminate errors for identification.

### Plug-and-Play Functionality and Seamless Integration

Connecting directly into a USB port, the WAVE ID Solo keystroke reader emulates a keyboard and outputs the card data to the cursor's location on the screen. The WAVE ID Solo reader is easily configured to increase security and control access. Through the configuration process, desired credential data output and access privileges for cardholders can be established. With our *Extended*<sup>1</sup> features, additional flexibility is provided to manipulate card data and further increase security with encryption.

Backward compatible, the WAVE ID Solo reader for LEGIC 13.56 MHz smart cards easily integrates into existing badge systems. It eliminates the need to add another badge or additional readers when increasing the number of applications that use badge systems for employee identification. The WAVE ID Solo reader supports standards ISO 14443A and ISO 15693 for access control, secure printing, time and attendance, and cashless payment.

### Developer-friendly SDK

The Software Developer Kit or SDK reader integrates with your software or hardware product through the use of the rf IDEAS Universal Software Developer's Kit (SDK). In contrast to the keystroke readers, the SDK or non-keystroking reader passes the raw card data offering nearly unlimited possibilities for user identification and authentication.

<sup>1</sup>Feature available through the WAVE ID Solo configuration utility

Trust begins here.™

## Common Applications

Here are some of the most common applications in key industries.

	HEALTHCARE	GOVERNMENT	MANUFACTURING	ENTERPRISE
Single Sign-on	+	+	+	+
Time & Attendance	+	+	+	+
Training Compliance	+	+	+	+
Point-of-Sale	+	+	+	+
Secure Print Management	+	+	+	+

### STANDARD FEATURES

Model Series	RDR-7L81AKU Desktop LEGIC UID Keystroking Reader RDR-7L82AKU Desktop LEGIC UID Non-Keystroking Reader RDR-7L81BKU Desktop LEGIC Segment Keystroking Reader RDR-7L82BKU Desktop LEGIC Segment Non-Keystroking Reader RDR-7LW1AKU Surface Mount LEGIC UID Keystroking Reader RDR-7LW2AKU Surface Mount LEGIC UID Non-Keystroking Reader RDR-7LW1BKU Surface Mount LEGIC UID Keystroking Reader RDR-7LW2BKU Surface Mount LEGIC UID Non-Keystroking Reader KT-7LW1AKU-IP67 Surface Mount LEGIC Keystroking Reader w/IP67 KT-7LW2AKU-IP67 Surface Mount LEGIC UID Non-Keystroking Reader w/IP67 KT-7LW1BKU-IP67 Surface Mount LEGIC Segments Keystroking Reader w/IP67 KT-7LW2BKU-IP67 Surface Mount LEGIC Segments Non-Keystroking Reader w/IP67
Operating Frequency	13.56 MHz
Interface	USB 2.0
WAVE ID Solo SDK Support	Yes

### PHYSICAL CHARACTERISTICS

Dimensions (inches)	Desktop: Height 3.55" (9.02cm) x Width 2.05" (5.21cm) x Depth 0.63" (1.60cm) Surface mount: Height 4.5" (11.5cm) x Width 2.8" (7.1cm) x Depth 0.62" (1.6cm)
Weight	Desktop reader w/6' USB cable: 4.0 oz (113.39gm); Surface mount w/6' USB cable: 4.3 oz. (121.9gm)
Housing Color	Black
Cable Length	6' standard; 6" and 16" lengths available
Indicators	LED indicator (green, amber, red); Adjustable beeper volume (off, low, medium, high)
Form Factors	Desktop, surface mount
Power Supply	USB powered
Power Consumption	95 mA typical, 150 mA maximum

### ENVIRONMENT

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)

### OTHER

Certifications <i>(Please contact rf IDEAS for information about other global certifications)</i>	FCC-United States; CE Mark-Europe; RCM-Australia; IC-Industry Canada; Environmental: RoHS, REACH
Compatible Operating Systems	Windows XP®/7®/8.1®, 10® and Linux
Configuration Utility	rf IDEAS Configuration Utility available on rf IDEAS support page
Card Types	AKU models: LEGIC prime UID; LEGIC advant ISO 14443A/15693 UID. Does not support multi-technology LEGIC cards (e.g. MP410 and MM410) BKU models: LEGIC prime and advant UID and secure segment data, as well as most 13.56 MHz cards supported by the WAVE ID Solo and Plus platform. Visit <a href="https://www.rfideas.com/cardcompatibility">https://www.rfideas.com/cardcompatibility</a> for full list of supported card types. Contact rf IDEAS for specific card type questions.