LEGIC

rf IDEAS

FAMILY PRODUCT BROCHURE: LEGIC CREDENTIALS

rf IDEAS expanded support of LEGIC through the SM-6300

rf IDEAS + LEGIC

Move Beyond Passwords

Explore Secure LEGIC Credentials and WAVE ID® Readers

On average, users spend three minutes and 46 seconds each time they reset their passwords. Additionally, companies lose $480 worth of productivity annually per employee due to time spent on password issues.[1] From every level of an organization, passwords are a problem, so improving your identity management security and protocol has to involve more secure credentials and authentication methods.

Our WAVE ID readers have been supporting LEGIC credentials for years. With the recent inclusion of the LEGIC SM-6300, our compatibility and select product offering has expanded to support the growing demand for LEGIC secure card technologies. Together, rf IDEAS and LEGIC provide an advantage to organizations looking to migrate to a more secure identity management solution.

Expanded Product Line

Support for LEGIC through our Nano product portfolio has been consistent for years. Now, rf IDEAS WAVE ID® SP Plus and WAVE ID® Plus Mini will adopt 6300 in replacement of 4200. The SM-6300 is perfect for high-security applications in logical access control, hospitality, public transport, smart offices, etc.

Variety of Form Factors

We understand that end point flexibility is important, that is why we offer a range of form factors from desktop to embedded – providing secure authentication where you need it. Our WAVE ID® SP Plus LEGIC SM-6300, WAVE ID® Plus Mini LEGIC SM-6300, WAVE ID® Full Size OEM and WAVE ID® Plus Non-housed are all compatible with the LEGIC SM-6300 which includes LEGIC advant, prime, NXP MIFARE, EV1, EV2, HID iCLASS*, LEGIC MTSC and Connect credentials.

Evolving Credential Support

rf IDEAS strives to adapt our reader portfolio to support leading credential types for a secure, interoperable experience to provide more possibilities for secure authentication. Seamless integration into existing access control systems becomes a possibility through our portfolio of readers and our network of partners, like LEGIC, that are expanding their credential support from smart cards to digital wallets.

Read/Write Capability

Direct accessibility to the LEGIC SM-6300 is available by enabling transparent mode for programming customization. If there is a need to assign a unique ID to a credential, such as a facility code, leveraging the writing capabilities allows one to do so. This is available on the WAVE ID® Plus Mini, WAVE ID® SP Plus, WAVE ID® Full Size OEM and WAVE ID® Plus Non-housed with the LEGIC SM-6300.

Our WAVE ID Portfolio

Advanced Authentication

Cybercriminals have more resources and opportunities than ever before to acess your data – requiring organizations to upgrade credentials to reduce threats and safeguard your data. From secure access to shared workstations, attendance tracking systems, vending and more – rely on a reader that supports clone-proof smart credentials for added protection.

WAVE ID® Plus Mini LEGIC SM-6300

A compact, dual-frequency BLE credential reader built on the advanced LEGIC SM-6300, this versatile reader offers robust security and seamless integration with existing systems, making it ideal for identification, authentication and access control applications. For logical access to workstations and applications, this reader provides a future-proof solution that meets the evolving needs of modern organizations.

Printer Protection

All it takes is for one unauthorized person to pick up a confidential print job—or to break into your network via a connected printer or MFP—to put your company at serious regulatory, financial and reputational risk. Mitigate this end point threat with a secure print reader.

WAVE ID® SP Plus LEGIC SM-6300

An ultra-slim, multi-purpose credential reader for logical authentication and access. Its small, thin form factor enables various integrated installations in recessed compartments as well as external mounting configurations. This reader can fit into a variety of purpose-built devices such as printers, time clocks, kiosks or protective enclosures.

Space Saving

Across organizations, devices are getting smaller or designed to be mobile. Delivering all of the features of our desktop and surface mount models, these ultra-compact badge readers are designed to quickly authenticate users wherever they work.

WAVE ID® Nano USB-A SM-4200

Featuring a low-profile design to minimize physical interference or any risk of breakage, the WAVE ID Nano USB-A reader can be easily embedded in monitors, all-in-one PC's and other hardware. Designed for on-the-go portability, they enable healthcare, government, manufacturing and enterprise employees to work remotely or move about freely, in any environment, while keeping valuable information reliably protected.

*For HID iCLASS and SEOS, Custom/Elite key, a Secure Access Module (SAM) is required

Features + Specifications

Product Names	WAVE ID® Nano	WAVE ID® Plus OEM	WAVE ID® Plus Mini LEGIC		WAVE ID® SP Plus LEGIC
Reader Models	**7L**	**30L**	**3L**	**30L**	**30LH**
Secure Technology Type	HID SEOS, LEGIC Secure	HID*, LEGIC and MIFARE Secure	LEGIC and MIFARE Secure	HID*, LEGIC and MIFARE Secure	HID*, LEGIC and MIFARE Secure
Operating Frequency	125 kHz or 13.56 MHz	125/132 kHz, 13.56 MHz, 2.4GHz	13.56 MHz	125/132 kHz, 13.56 MHz and 2.4 GHz	125/132 kHz, 13.56 MHz, and 2.4 GHz
Protocol/Operating Mode	Keystroke and SDK	Keystroke and SDK	Keystroke and SDK	Keystroke and SDK	Keystroke
Dimensions (L x W x H)	0.88" x 0.62" x 0.76" (22.4 mm x 15.7 mm x 19.3 mm)	2.3" x 1.4" x 0.3" (59mm x 36mm x 8.4mm)	3.6" (90 mm) x 2.1" (52 mm) x Height: 0.7" (17 mm)	3.6" (90 mm) x 2.1" (52 mm) x Height: 0.7" (17 mm)	Height 0.6" (1.52cm) x Width 2.0" (5.08cm) x Length 3.0" (7.62cm)
Weight	Vertical: 0.20 ounces (5.67g)	0.4 oz (10 grams)	4.0 ounces (113.39g)	4.0 ounces (113.39g)	SP reader 0.78 oz. (22gm)
Housing Color	Black	N/A	Black	Black	Black
Indicators	LED	Quad-state LED (off, green, amber, red) and adjustable beeper (off, low, medium, high)	Quad-state LED (off, green, amber, red) and adjustable beeper (off, low, medium, high)	Quad-state LED (off, green, amber, red) and adjustable beeper (off, low, medium, high)	Quad-state LED indicator (green, amber, red) Adjustable beeper volume (off, low, medium, high)
Power Supply	USB-A self powered	USB self-powered	USB self-powered	USB self-powered	USB self-powered
Power Consumption	70 mA typical, 100 mA maximum	65 mA typical, 185 mA maximum	65 mA typical, 185 mA maximum	65 mA typical, 185 mA maximum	70 mA typical, 100 mA maximum
Operating Temperature Range	-22° to 150°F (-30° to 65°C)	-22° to 150°F (-30° to 65°C)	-25° to 150°F (-30° to 65°C)	-25° to 150°F (-30° to 65°C)	-22° to 150°F (-30° to 65°C)
Operating Humidity Range	5% to 95% relative humidity, non-condensing	5% to 95% relative humidity, non-condensing	5% to 95% relative humidity, non-condensing	5% to 95% relative humidity, non-condensing	5% to 95% relative humidity, non-condensing
Storage Temperature Range	-40° to 185°F (-40° to 85°C)	-40° to 185°F (-40° to 85°C)	-40° to 185°F (-40° to 85°C)	-40° to 185°F (-40° to 85°C)	-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	FCC-United States; CE Mark-Europe; RCM-Australia; IC-Industry Canada; UL Environmental: RoHS, REACH	FCC-United States; CE Mark-Europe; RCM-Australia; IC-Industry Canada; UL Environmental: RoHS, REACH	FCC-United States; CE Mark-Europe; RCM-Australia; IC-Industry Canada; UL Environmental: RoHS, REACH	FCC-United States; CE Mark-Europe; RCM-Australia; IC-Industry Canada; UL Environmental: RoHS, REACH. Contact rf IDEAS for additional global country certification details.
Compatible Operating Systems	**Keystroke**: USB HID keyboards compliant with USB protocol **SDK**: Windows 10 (30 & 64 bit), 11 (64 bit), MacOS Monterey and above, 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**, Rasberry Pi 3b & Pi 4 (Debian 11 Bullseye (64 & 32 bit) ** Android - versions 10 and above require custom firmware	Windows XP®, 7®, 8®, 10®, 11® and Linux (Ubuntu, Red Hat), macOS and Android	Windows 10 (32 & 64 bit), 11 (64 bit), MacOS Monterey and above, Linux	Windows 10 (32 & 64 bit), 11 (64 bit), MacOS Monterey and above, Linux	Windows XP®, 7®, 8.1®, 10® and Linux
Configuration Utilities (available on rf IDEAS support page)					
Proximity Card Types (125/132 kHz) Contactless Smartcard Types (13.56MHz)	Supported Card Type Listing				
Accessories	N/A	Cables, KT-SIM-SE-V2 or KT-SIM-AV2	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		Cables KT-SIM-SE-V2: HID Omnikey SAM*, KT-SIM-AV3: MIFARE SAM AV3

1. https://roitechnologyinc.com/2023/06/25/is-it-time-to-ditch-the-passwords-for-more-secure-passkeys/#:~:text=Forgetting%20passwords%20is%20common%20and,code%20across%20all%2 your%20accounts. https://www.beyondidentity.com/resource/measuring-password-fatigue-usability-and-cybersecurity-impacts-study