

Tiny but tough, the WAVE ID® Nano reader is built to enable secure and seamless authentication on the go.

The powerful WAVE ID Nano credential reader, the world's smallest credential reader, delivers all the features of desktop and surface-mount readers in an ultra-compact form. Available in USB-A and USB-C, learn what each type offers when it comes to enabling secure access on the go.

Built for Mobile Workers & Extreme Conditions

The WAVE ID Nano USB-A and USB-C readers' revolutionary small size offers flexibility for a variety of integration opportunities, including embedding into monitor housing, connecting to printers, or inserting into laptops or tablets. Their small form factor ensures the user's workflow is not disrupted by minimizing the number of hardware pieces required for solutions where access control is critical. The USB-C version is also built to address extreme conditions, meeting military-grade specifications, including resistance to altitude, sand, dust, high and low temperatures, vibration, shock, humidity, and freeze/thaw conditions.

Flexible Compatibility & Secure Access

Both readers (USB-A & USB-C) integrate seamlessly into existing 125 kHz proximity or 13.56 MHz contactless smart card systems. They work with various credential types worldwide, ensuring flexibility for organizations. Along with backwards compatibility, these readers provide secure authentication and access control. Users can easily wave an authorized badge to access their devices, eliminating the need for cumbersome passwords. The 13.56MHz WAVE ID Nano reader is also available in a CCID version, allowing plug-and-play operation with standard PC/SC drivers for Windows and other OS and including support for FIDO2 NFC authenticators.



WAVE ID Nano USB-C

Smaller than the USB-A, the USB-C meets military specifications to provide authentication and access in the most challenging environments



WAVE ID Nano USB-A

It's a simple, small and compact reader that makes mobility easy for employees that need authentication.

Trust begins here.™



Common Applications

The introduction of the card reader which accommodates four configurations pave the way to an unlimited number of applications. Here are some of the most common applications in key industries.

AUTHENTICATION SOLUTIONS FOR KEY MARKETS



Healthcare



Manufacturing



Government



Financial



Education



Events and Hospitality

COVERING THE FULL RANGE OF APPLICATIONS



Point-of-Sale



Passwordless Single Sign-On



Time and Attendance




Secure Print Management



Mobile Authentication



Training and Compliance

Reader Models	USB-A		USB-C
Secure Technology Type	HID SEOS, LEGIC Secure		HID SEOS
Operating Frequency	125 kHz or 13.56 MHz		125 kHz or 13.56 MHz
Protocol/Operating Mode	Keystroke, SDK, CCID		Keystroke, SDK, CCID
Dimensions (L x W x H)	Vertical: Height 0.88" x Width 0.62" x Length 0.76" (22.4 mm x 15.7 mm x 19.3 mm) Horizontal: Height 0.36" x Width 0.62" x Length 1.14" (99.1 mm x15.7 mm x 29 mm)		Height 0.83" (21.1mm) x Width 0.41" (10.5mm) x Length 0.51" (13.0mm) (not including the USB-C connector)
Weight	Vertical: 0.20 ounces (5.67g)	Horizontal: 0.14 ounces (4g)	0.14 ounces (4g)
Housing Color	Black		Black
Indicators	LED		LED
Power Supply	USB self-powered		USB self-powered
Power Consumption	70 mA typical, 100 mA maximum		60 mA typical, 170 mA maximum
Operating Temperature Range	-22° to 150°F (-30° to 65°C)		-22° to 150°F (-30° to 65°C) for non-SEOS models only; 32° to 150°F (0° to 65°C) for SEOS models
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	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		
Configuration Utilities (available on rf IDEAS support page)			
Proximity Card Types (125/132 kHz)			
Contactless Smartcard Types (13.56MHz)			
NFC, Mobile Credentials (13.56MHz)			