

HF | LF - Stationary Reader rf IDEAS - WAVE ID® Nano Reader

- RFID Standards: 125 kHz Proximity + 13.56 MHz (ISO 14443)
- USB-A & USB-C versions available
- HID SEOS, LEGIC Secure & MIFARE Secure
- Ultra-compact form factor for mobile use
- Windows, macOS, Linux & Android compatible



HF | NFC - Stationary Reader Secure NFC Reader Module with SAM Slot

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.

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.

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.

Common Applications

- Passwordless Single Sign-On
- Secure Print Management
- Time & Attendance
- Mobile Authentication
- Training & Compliance
- Point of Sale (POS)

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TECHNICAL SPECIFICATIONS

Reader Models	RDR-6012AKU-V2, RDR-60U2AKU, RDR-6021AKU, RDR-60U1AKU, RDR-6022AKU, RDR-6011AKU-V2, RDR-7011AKU, RDR-7012AKU, RDR-7L11BKU, RDR-7L12BKU		RDR-70U1BKU, RDR-70U2BKU, RDR-70U2BKU-AN, RDR-70U6BKU	RDR-7MU1BKU, RDR-7MU2BKU, RDR-7MU6BKU
Secure Technology Type	HID SEOS, LEGIC Secure		HID SEOS	MIFARE Secure
Operating Frequency	125 kHz or 13.56 MHz		13.56 MHz	
Protocol/Operating Mode	Keystroke, SDK, CCID			
Dimensions (L x W x H)	Vertical: 0.88" x 0.62" x 0.76" (22.4 mm x 15.7 mm x 19.3 mm) Horizontal: 0.36" x 0.62" x 1.14" (99.1 mm x15.7 mm x 29 mm)		0.83" (21.1mm) x 0.41" (10.5mm) x 0.51" (13.0mm) (not including the USB-C connector)	
Weight	Vertical: 0.20 ounces (5.67g) Horizontal: 0.14 ounces (4g)		Horizontal: 0.14 ounces (4g)	
Housing Color	Black			
Indicators	LED			
Power Supply	USB-A or C self-powered		USB-C 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	FCC-United States; CE Mark-Europe; RCM-Australia; IC-Industry Canada; UL 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**, Rasberry Pi 3b & Pi 4 (Debian 11 Bullseye (64 & 32 bit) ** Android - versions 10 and above require custom firmware			
Proximity Card Types (125/132 kHz)				
Contactless Smartcard Types (13.56MHz)				
NFC, Mobile Credentials (13.56MHz)				