

Software-Free Reader for Reading User Data from Memory of MIFARE Classic Smart Cards



Overview

The WAVE ID® Playback Desktop 13.56 MHz products meet a variety of needs in multiple situations. They leverage current NXP MIFARE badge investments, as well as existing control systems while expanding technologies and applications with a single credential solution.

The cost-saving solution interfaces contactless cards to existing applications and systems without the need to change or update these systems. There is no need to deploy software. The plug-and-play reader delivers user data from the contactless card to the desired application or machine. With the use of the WAVE ID Writer, data can also be written to the card.

In many cases, the WAVE ID Playback Desktop reader can be configured to read data already on the card. The reader is instantaneously configurable, allowing users to change the location being read on the contactless card. There is no need for pilot tests, training, software updates, technical support, licenses or the hassle of incompatibilities since no software is deployed.

Easy Interface and Protocol

USB models connect directly to a USB port and can be configured to send data as keystroking, non-keystroking or serial ASCII. RS232 models connect to a serial port and send data as ASCII. Ethernet models connect through an RJ45 connection and are sent data as either ASCII or E/IP.

Note: To utilize PoE and E/IP features with some models, a C-6200 adapter may be required

Robust Security

Contactless smart cards offer unique features, such as cryptographic data storage, mutual authentication, secure reading/writing of data, and user defined access keys.

Medical/Healthcare HIPAA Compatible

Meets medical and healthcare HIPAA requirements when used as a logical access solution.

Multi-Application Solution

Allows for several applications to be stored on a single contactless credential.

Compatibility

Supports any operating system with USB: Windows 2000®/XP®/Vista®, Citrix®, UNIX®, Linux, Macintosh®, thin clients, and more.

Wiegand Compatibility

The WAVE ID Playback Desktop Wiegand easily outputs data to any device accepting Wiegand.

Common Applications

Credential-based reader solutions help streamline workflow and avoid identification errors by eliminating the need to manually enter usernames and passwords. 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-7585AKU
Operating Frequency	13.56 MHz
Interface	USB, Serial RS232
SDK available for writing apps to the reader	Yes

PHYSICAL CHARACTERISTICS

Dimensions	3.4" x 2.0" x 0.6"
Weight	Weight: 4.0oz (113.39g)
Housing Color	Black
Cable Length	6' standard; 6" and 16" lengths available
Indicators	LED indicator; Adjustable beeper volume (off, low, medium, high)
Form Factors	Desktop, surface mount, non-housed
Power Supply	USB self-powered
Power Consumption	70 mA typical, 150 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 <i>(Please contact rf IDEAS for information about other global certifications)</i>	FCC-United States; CE Mark-Europe; RCM-Australia; IC-Industry Canada; UL Environmental: RoHS, REACH
Compatible Operating Systems	Windows XP®, 7®, 8®, 10® and Linux (Ubuntu, Red Hat), macOS and Android
Card Types	Supports nearly all card types worldwide. Visit rfIDEAS.com for full list of supported card types.