

Dual-Frequency Proximity and Contactless Surface Mount Card Reader for Identification and Enrollment



Overview

WAVE ID® Plus IP67 Surface Mount reader line is certified with an IP67 compliant rating that ensures any machine equipped with the device will meet the requirements for complete protection against the ingress of dust, as well as water at a depth of one meter for up to thirty minutes.

Error-Free Identification

Just as the standard WAVE ID Plus, the WAVE ID Plus IP67 surface mount reader combines proximity and contactless technologies into one reader, allowing it to read both 125 kHz cards and 13.56 MHz smart cards. With the simple tap of an access card, the reader eliminates the need for manual entry and provides error-free identification and security throughout the workplace.

Simple Configuration

The plug-and-play reader comes with flash memory, allowing users to quickly configure the output to meet their needs. With its dual-frequency multi-technology, the WAVE ID Plus IP67 is highly configurable and capable of simultaneously handling either technology.

As a card enroller or reader, it emulates a keyboard to keystroke the card's data to the cursor's location in an application. The reader can be configured to add keystrokes and commands before or after the card's data. The EtherNet/IP equipped models interface seamlessly with Allen-Bradley RS Logix 5000 (or higher) software.

Protect and Secure Sensitive Information

The WAVE ID Plus IP67 Surface Mount reader can improve organization workflows and eliminate errors typically found with individual identification systems. It can be easily mounted on kiosks, walls and other indoor surfaces. As an integrated reader, the device incorporates all the functionality of the standard desktop readers and is ideal for specialized credential reading locations. It is specifically designed for applications such as kiosks, time & attendance, point of sale, hoteling, meeting attendance and others that require special mounting versatility.

Trust begins here.™

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 | KT-80xW1BKx-IP67 |
| Operating Frequency | 125 kHz (LF) and 13.56 MHz (HF) |
| Mounting Parts | To achieve IP67 compliance, the IP67 Installation Guide included in your product box must be followed. |
| Interface | USB, Serial RS-232, Ethernet |
| SDK available for writing apps to the reader | Yes |
| Badge Configurations | Up to 4 configurations; Standard Configuration: Config #1 - HID Prox; RDR-608x Compatible, Config #2 - RDR-758x Equivalent, Config #3 - OFF, Config #4 - OFF; user-definable |

PHYSICAL CHARACTERISTICS

| | |
|-------------------|--|
| Dimensions | 4.3" x 2.5" x 0.35" (10.9cm x 6.35cm x 0.89cm) |
| Weight | 2.6 oz. (73.70g) |
| Housing Color | Black |
| Cable Length | 13 inches (33cm)/(Custom Lengths Available) |
| Indicators | Quad-state LED (off, green, amber, red) and adjustable beeper (off, low, medium, high) |
| Power Supply | USB Self-powered; PoE; Serial RS-232; several power options exist |
| 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-Aus/Nz, RoHS, IC-Industry Canada, UL, REACH, RoHS |
| 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 https://www.rfideas.com/cardcompatibility for a full list of supported card types. |
| Software Tools Configuration Utility | Visit https://www.rfideas.com/support/tools/downloads for the configuration tool compatible with your operating system |

