Dynamag
Secure Card Reader Authenticator

Quick Installation Guide

Product Description

The Dynamag Secure Card Reader Authenticator (SCRA) is MagneSafe™ secured and offers a reliable and convenient swipe path with complete security features for the peace of mind you can trust. Specifically designed to meet PCI DSS requirements to secure cardholder data, the Dynamag employs the industry standard, Triple DES encryption. This bidirectional SCRA conveniently makes any existing merchant application more secure.
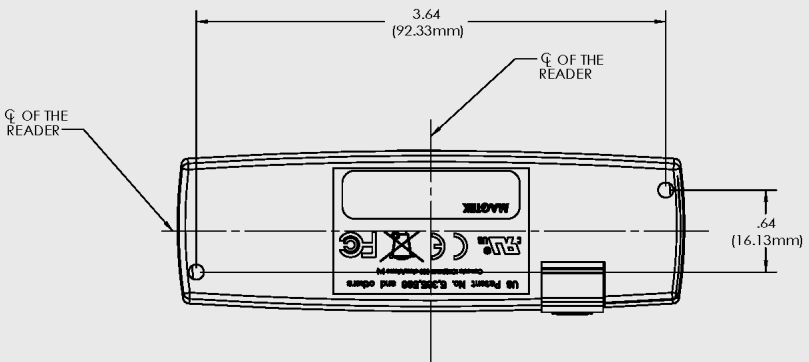
Diagram

Figure 1. Device

3.92
(99.53mm)
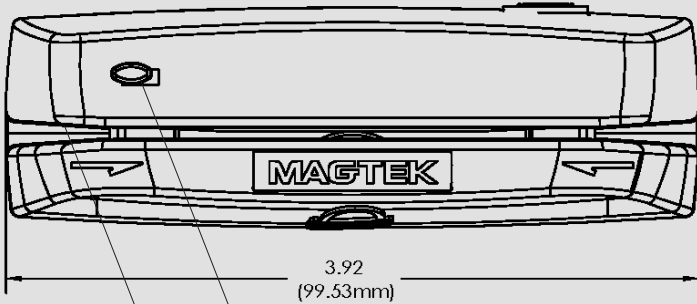
LED

Swipe path

Mounting Diagram

Figure 2. Mounting

3.64
(92.33mm)

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READER

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.64
(16.13mm)

USB HID or USB KB Connection

The Readers can be operated in two different modes:
- •   HID (herein referred to as "HID mode") and
- •   HID with Keyboard Emulation (herein referred to as "KB mode")

When operating in the HID mode, a reader will not use keyboard emulation. It behaves like a vendor defined HID device. When configured for the Keyboard Emulation (KB) mode, a Reader emulates a USB HID United States keyboard or, optionally, any international keyboard using ALT ASCII code keypad key combinations or customizable key maps.

Card Read

A card may be swiped through the reader slot when the LED is solid green or flashing green. The magnetic stripe must face toward the front of the reader (as indicated by the lock logo on the shiny stripe) and may be swiped in either direction. If there is data encoded on the card, the reader will attempt to read the data, encrypt it, and then send the results to the host via a USB HID input report or, if in Keyboard Emulation mode, as if the data was being typed on a keyboard. After the results are sent to the host, the reader will be ready to read the next card.

Windows Plug n Play

On hosts with the Windows operating system, the first time the reader is plugged into a specific USB port, Windows will pop up a dialog box, which will guide you through the process of installing a device driver for the reader.

Mounting Options

The Reader may be mounted with screws or fastening tape as described below. The Reader can be mounted on a surface in various ways:
- •   By two screws through the surface attached to the bottom of the unit and running the cable on the top of the surface
- •   By two screws through the surface attached to the bottom of the unit and by drilling a hole in the surface for the cable and running the cable through the hole
- •   By attaching the unit to the surface with fastening tape and running the cable on the top of the surface

Ensure the Reader is positioned on a flat, accessible surface with at least 4 inches clearance on either end for room to swipe a card. If fastening tape is to be used, clean the area that the Reader will be mounted on with isopropyl alcohol. Remove the adhesive protective cover on the fastening tape, then position the Reader and push down firmly. Mount the Reader.

LEDs

The reader has one LED on the reader body. The LED indicator will be either off, red, green, or amber. When the reader is not powered, the LED will be off. When the reader is first plugged in, the LED will be solid amber. After the reader is plugged in, the host will try to enumerate the reader. Once the reader is enumerated the LED will turn solid green.

Legal Terms and Conditions

Caution

When in Keyboard Emulation mode, if another keyboard is connected to the same host as the reader and a key is pressed on the other keyboard while the reader is transmitting, then the data transmitted by the reader may get corrupted.

Technical Support

When calling the support team please have your reader charged and have the part number and serial number(s) available.

651.415.6800

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