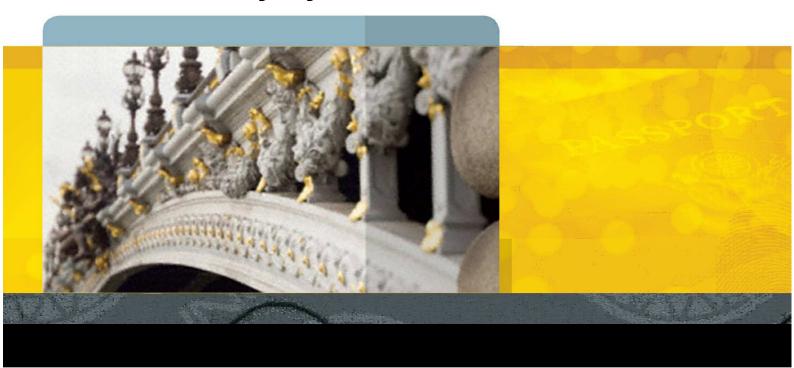
3M Security Systems



3M™ Swipe Reader SDKLinux® Quick Start Guide

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1 Introduction

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1.6 References

Description	3M Part No.

1.7 Revision History

Version	Date	Description
V1.0	04/09/2012	First draft

2 Purpose of Document

This document details the differences between the 3M[™] Swipe Reader SDK for Linux platforms, compared to the Microsoft® Windows® platform. Excepting those differences covered by this document, all other documentation provided can be assumed to be accurate for both platforms.



3 Supported Operating Systems

This SDK is not compatible with every Linux distribution and version in circulation. We offer support and provide builds of the SDK for the following Linux distributions:

- Ubuntu LTS "Lucid Lynx" 10.04
- CentOS 6.3

4 Compatible Devices

The Linux platform does not support all 3M full page readers. Listed below are the supported readers on this platform:

- 3M™ CR-100 Document Reader
- 3M™ CR-100M Document Reader

5 Installation

Inside the root directory of the SDK package is a bash script, *install.sh*, which performs the installation. The script will confirm acceptance of the SDK terms and conditions, and then install the SDK libraries and drivers

5.1 Prerequisites

The following 3rd party libraries must be installed before running the SDK installer, as they are not provided as part of this package:

libusb 1.0

5.2 SDK Libraries

The libraries are installed to the /usr/lib/MMM/ directory, with symbolic links in the /usr/lib/ directory for the following libraries:

libMMMReaderLowLevelAPI.so

The installer will give the option to skip this step if required. To install to a different location, each library will need an updated RPATH value, which by default points to /usr/lib/MMM/.



5.3 **Installer Options**

The following flags can be used with *install.sh* to alter its operation:

- L or --no-libraries
 - o SDK library installation will be skipped.

6 Applications, Samples and Utilities

The Linux platform has a limited subset of the applications provided on the Windows platform, which this section will now detail. Microsoft® .NET Framework applications are also provided, as many Linux distributions have the capability to run these applications with no changes. As with Java® applications, the libraries necessary to run these applications are not provided as part of the SDK.

6.1 Common Applications

The following compiled applications are provided with both the Linux and Windows releases of the SDK. These applications all function in the same way on all platforms.

- Swipe Reader Command Prompt Example
- Swipe Reader Messages Example (.NET)
- · Swipe Reader Messages (Java)

6.2 Common Samples

Sample projects are also provided for the following applications:

- Swipe Reader Command Prompt Example (GCC C++ Makefile)
- · Swipe Reader Messages (Visual C# Project)
- · Swipe Reader Messages (Java)

