



ADB3 Driver 1.0.0 for Linux Release Note

Introduction

This release note accompanies the ADB3 Driver for Linux. The latest version of this driver can be found at:

<ftp://ftp.alpha-data.com/pub/admxrcg3/linux>

For support, send e-mail to support@alpha-data.com

Operating systems supported

This release of the ADB3 Driver supports the following operating systems:

- GNU/Linux distribution with 2.6.x kernel

Due to the ever-changing nature of GNU/Linux, Alpha Data cannot guarantee that this driver can be successfully configured, built, installed and run on all Linux distributions past, present and future. Alpha Data makes best-efforts to ensure compatibility with all Linux distributions, but should a problem be encountered, please contact support@alpha-data.com.

Hardware supported

This release of the ADB3 Driver supports the following Alpha Data hardware:

- ADM-XRC-6TL

License Agreement

This release of software is licensed according to the terms of GNU Public License Version 2 (GPL V2). A copy of this license can be found in the file **gpl-2.0.txt** within this software package. Please contact Alpha Data if alternative licensing conditions are required. Alpha Data reserves the right to use a different license agreement for future releases of this software.

Installation instructions

This release of the driver is distributed in source code form as a tarball (.tar.gz file extension). Please refer to the README file inside the tarball for instructions on how to configure, build and install the driver.

Known issues

Security considerations

The script **adb3.rc** that creates device nodes in **/dev** applies permissions such that only **root** can open devices. This is intentional, as the bus interface in third generation Alpha Data hardware is capable of reading and writing arbitrary addresses. Use of devices is therefore restricted to **root** by default. This behavior can be changed by modifying the script **adb3.rc** to set permissions as desired. Note that this is subject to change, since full **udev** support is planned for a future release as explained in [Section 6.4](#).

VPD write-protection mechanism not implemented

The VPD write-protected mechanism described in the ADM-XRC Gen 3 SDK User Guide is not yet implemented. In this release of the driver, VPD writes will succeed, regardless of any registry settings.

Diagnostic API not implemented

The diagnostic API, providing system monitoring facilities, is not yet implemented.

Partial udev support

In this release of the driver, a script **adb3.rc** is provided in order to start the driver. This creates device nodes in **/dev** rather than relying on **udev** rules. This will be corrected in a future release.

Downgrading to an earlier version

When downgrading to an earlier version of the driver, remove all files named **/usr/lib/libadmxrc3.***, and **/usr/lib64/libadmxrc3.*** if on a bi-architecture machine, before executing the **make install** command as root. Otherwise, the shared libraries from the later version of the driver will be preferred by the system as they have a higher version number.

Release history

Release 1.0.0

This is the first release of the ADB3 Driver for Linux.