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RD70x Driver Installation Guide for Windows 7

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Document information

Info	Content
Keywords	CL RD70x series, Windows 7 Quick startup guide, Pegoda reader
Abstract	This document is intended for users starting to work with the Pegoda reader in combination with the Window 7 operating system.

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Revision history

Rev	Date	Description
1.3	20120828	Links in Section 2.2 and Section 4 updated
1.2	20120419	Link in Section 2.2 updated
1.1	20110929	Internet links updated
1.0	20110629	Initial version

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1. Introduction

The purpose of this document is to provide a set of guidelines to aid in the first operation of the CL RD70x series reader when using the Windows 7 operating system.

2. Installation

2.1 Required items

To get started the following items are required:

- Pegoda Reader (CL RD70x series)

- Pegoda Driver for Win7

- USB cable (USB 2.0 A Male to B Male as provided in the package)

- MIFAREWnd application (to check the firmware version of your Pegoda reader)

2.2 Driver Installation

Please make sure to download the latest available driver to make sure you get the best performance out of your Pegoda reader.

The latest available driver will be published at the following link:
http://www.nxp.com/demoboard/MFEV700.html#documentation .
Have a look at the bottom of the page under Software in the section Design support.

The latest available version at the time of creation of this document was v1.0.0.1 signed by NXP Semiconductors Netherlands B.V. on June 22th 2010 10:43:52.

Note: This driver is not suitable for the CL RD710 series reader devices.

1) Extract the Pegoda driver for Windows 7 to a drive and path of your choice. This document uses the drive and path "C:\PegodaDrvWin7" to showcase the steps you have to take.

2) Run the dpinst.exe driver installation wizard.
The welcome window of the installation wizard as shown in Fig. 1 will pop up.

Note: The driver installation wizard needs administrator privileges to be able to install the required files.
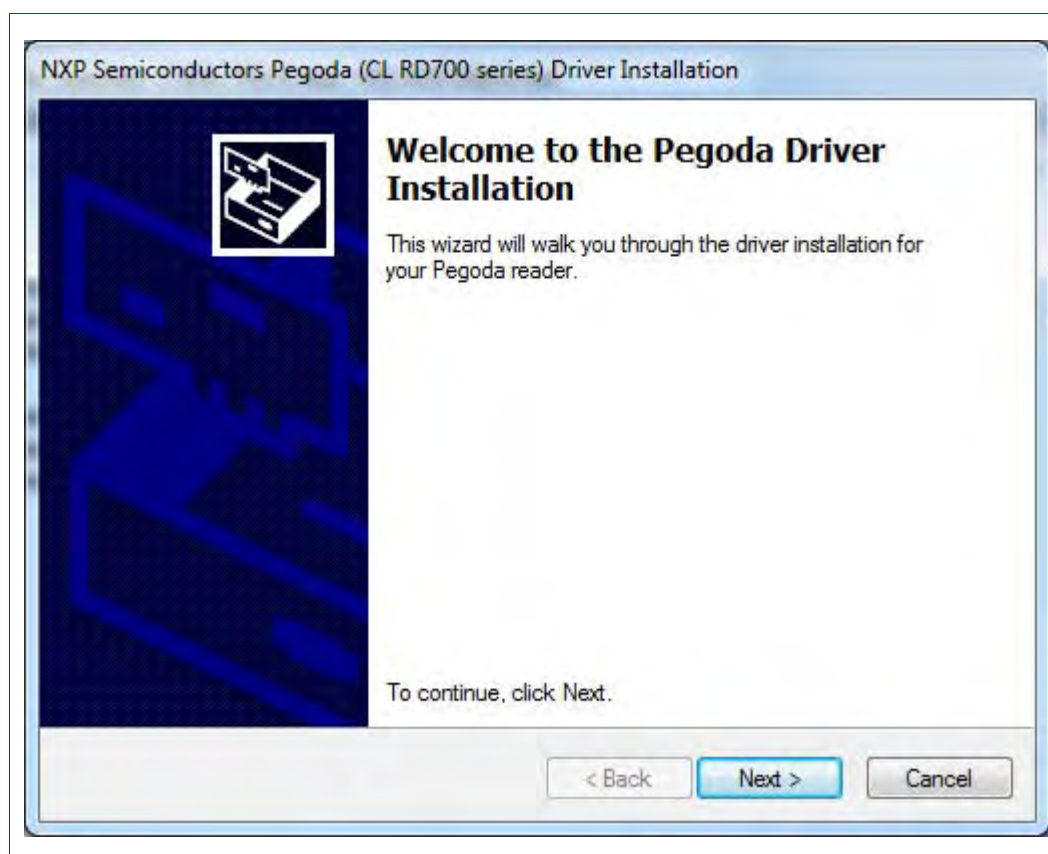
Fig. 1 Wizard Welcome

3) Click on "Next".

The End User License Agreement (EULA) will be shown. Please read it carefully and when you accept the EULA select "I accept this EULA" and click on "Next" as shown in Fig. 2.

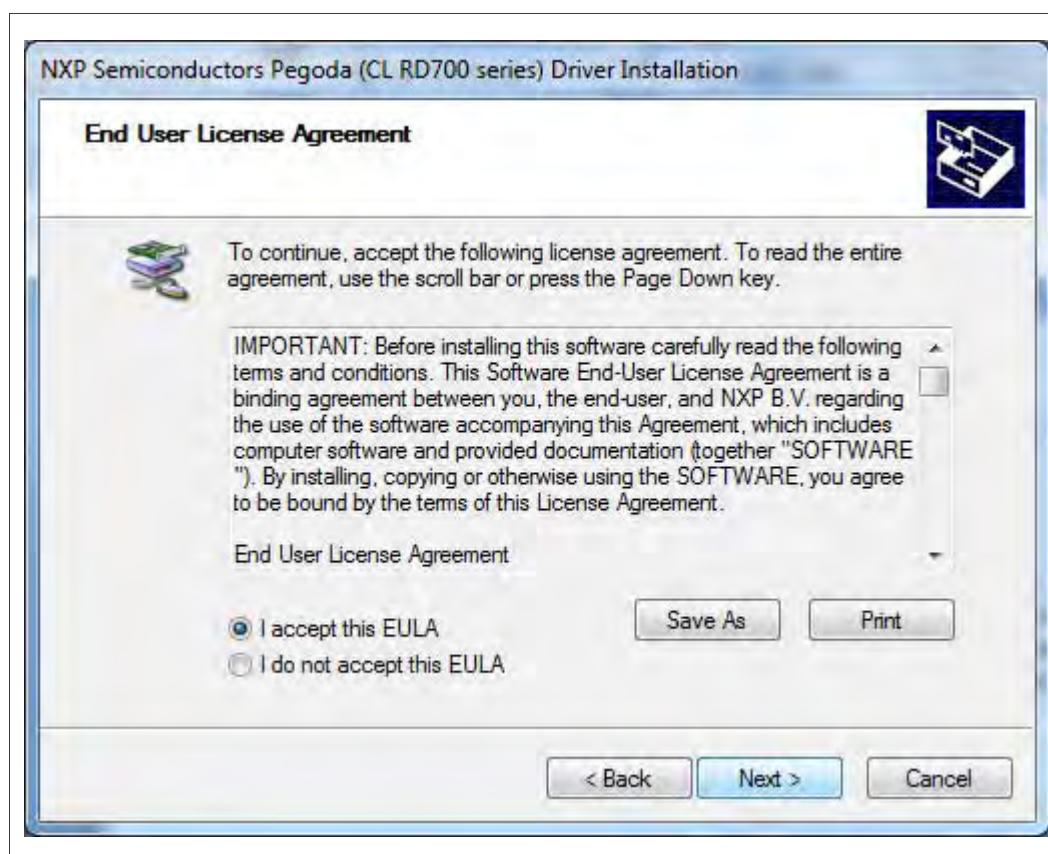**Fig. 2 Wizard EULA**

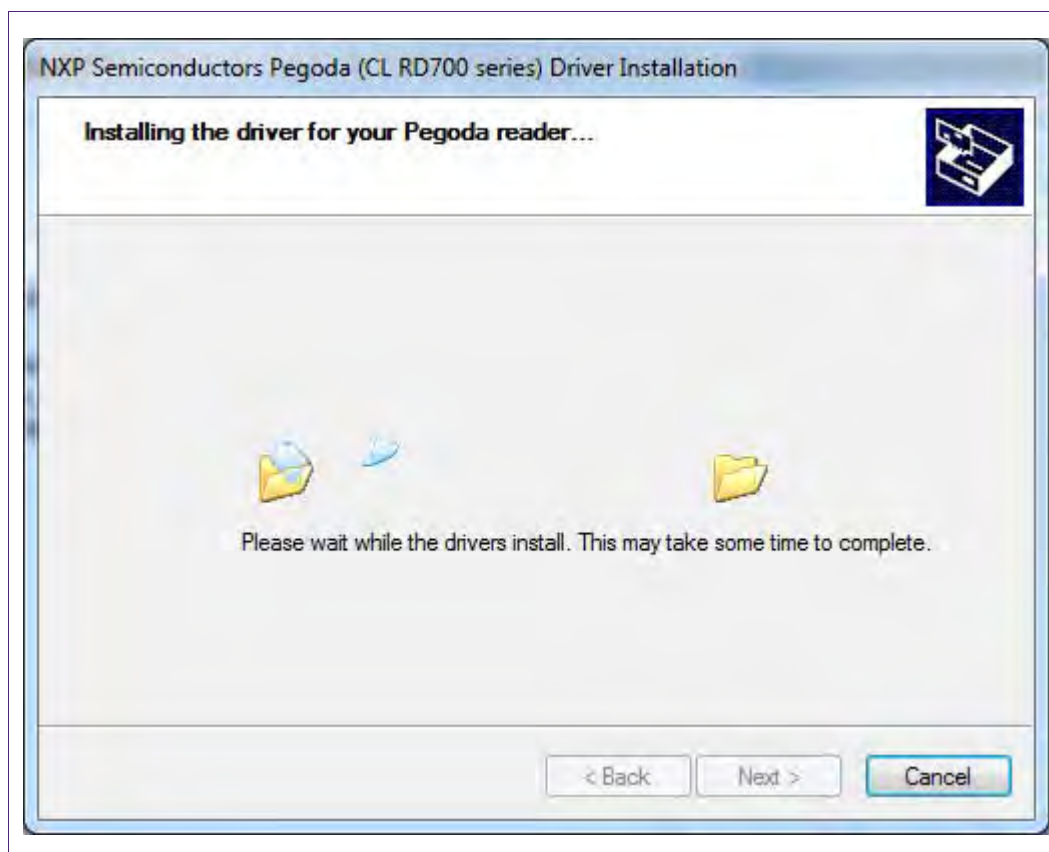4) The driver for the Pegoda reader will now be installed (see Fig. 3).

Fig. 3 Wizard Installation

5) The driver has been installed now. As a result of a successful installation the confirmation dialog as shown in Fig. 4 will be shown.
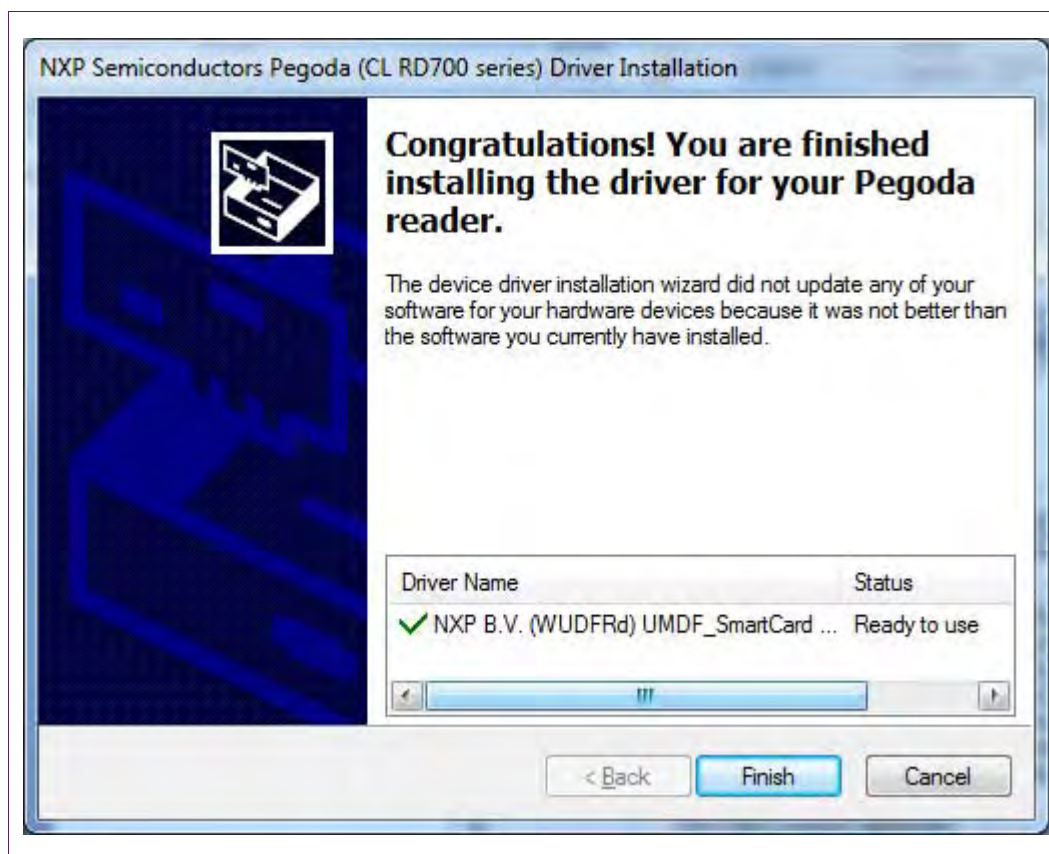
Fig. 4 Wizard Finsihed

6) You can now close the wizard by a click on "Finish". You are ready to use your Pegoda reader now.

2.3 MIFAREWnd Installation

This section describes the installation of the MIFAREWnd application on a PC. The installation package can be downloaded using the following link

http://www.nxp.com/documents/software/PE089917.zip. The package contains the MIFAREWnd ver. 1.7.

1) Extract the MifareWnd_V1.70_Setup.exe

2) Start the MifareWnd_V1.70_Setup.exe, which installs the MIFAREWnd tool on the hard disk drive c:\Program Files (x86)\Philips Semiconductors\MifareWnd.
Note: Make sure to run the setup with Administrator privileges as otherwise it doesn't install correctly.
Note: The application has aged and it's from times where NXP Semiconductors was part of Philips Semiconductors, still. Besides its outdated issuer name the application provides a great deal of value for use in current times, still.

3. Driver Installation Verification

When your Pegoda reader is being connected to the PC you can verify that the driver is correctly installed by opening the Windows Device Manager. The reader is shown in the section UMDF SmartCard Reader under the entry NXP Pegoda as shown in Fig. 5
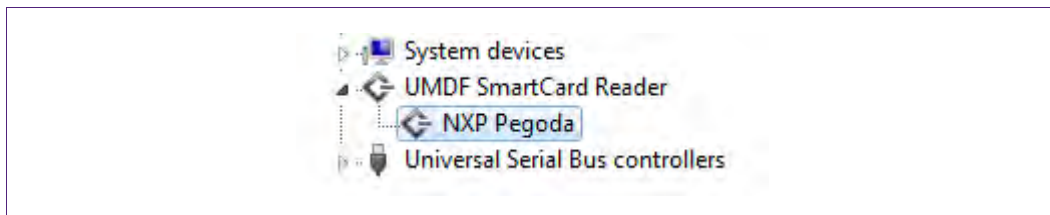

Fig. 5 NXP Pegoda in Device Manager

4. Firmware download

Please make sure to install the latest available firmware into your Pegoda Reader to make sure you get the best performance.

The latest available firmware will be published at the following link:
http://www.nxp.com/demoboard/MFEV700.html#documentation.

The latest available version at the time of creation of this document was v2.12 dated June 18th 2010.

Follow the steps below to check the current installed firmware version of your Pegoda Reader.

1) Make sure the Pegoda Reader is correctly connected and the USB driver is being installed

2) Run the MIFAREWnd tool from Windows All Programs/Philips Semiconductors/MifareWnd/MifareWnd.

3) Connect the MIFAREWnd application to the connected Pegoda Reader by clicking in the button "Open Port" as shown in Fig. 6.
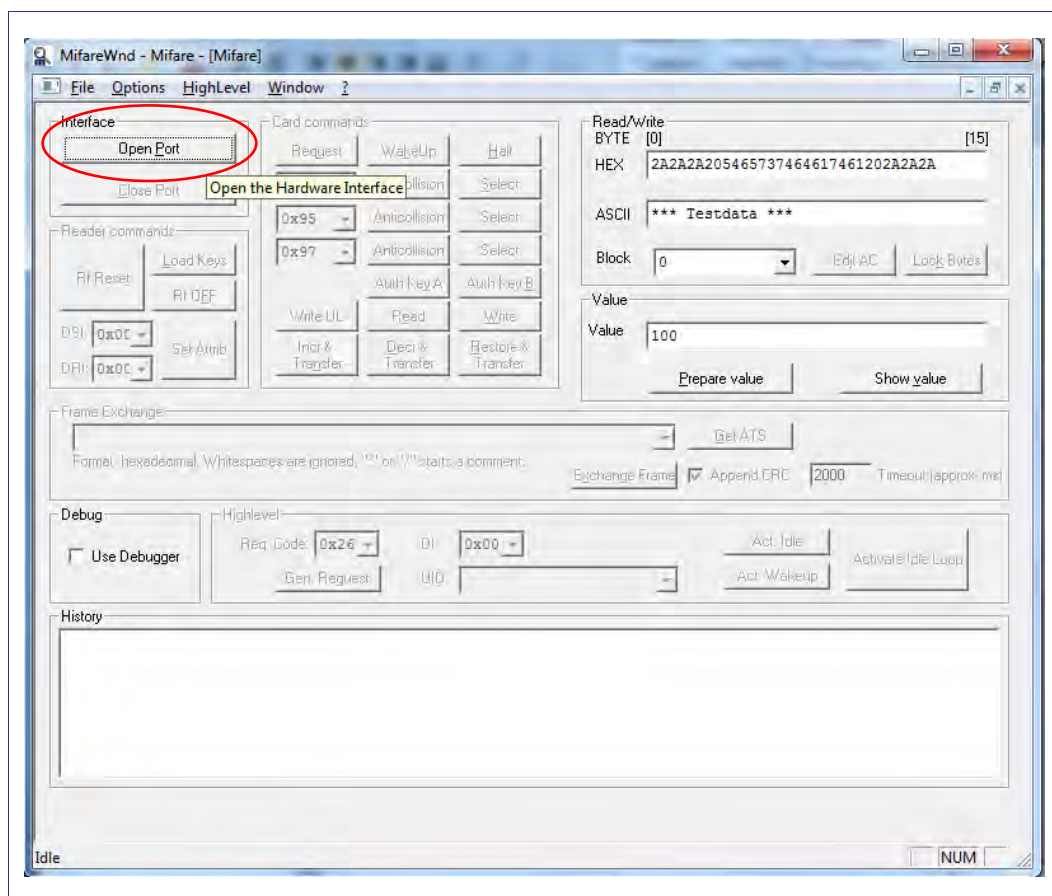
Fig. 6 Open Port

4) The reader has now been connected and the command history will show two successful commands that have been executed as shown in Fig. 7.

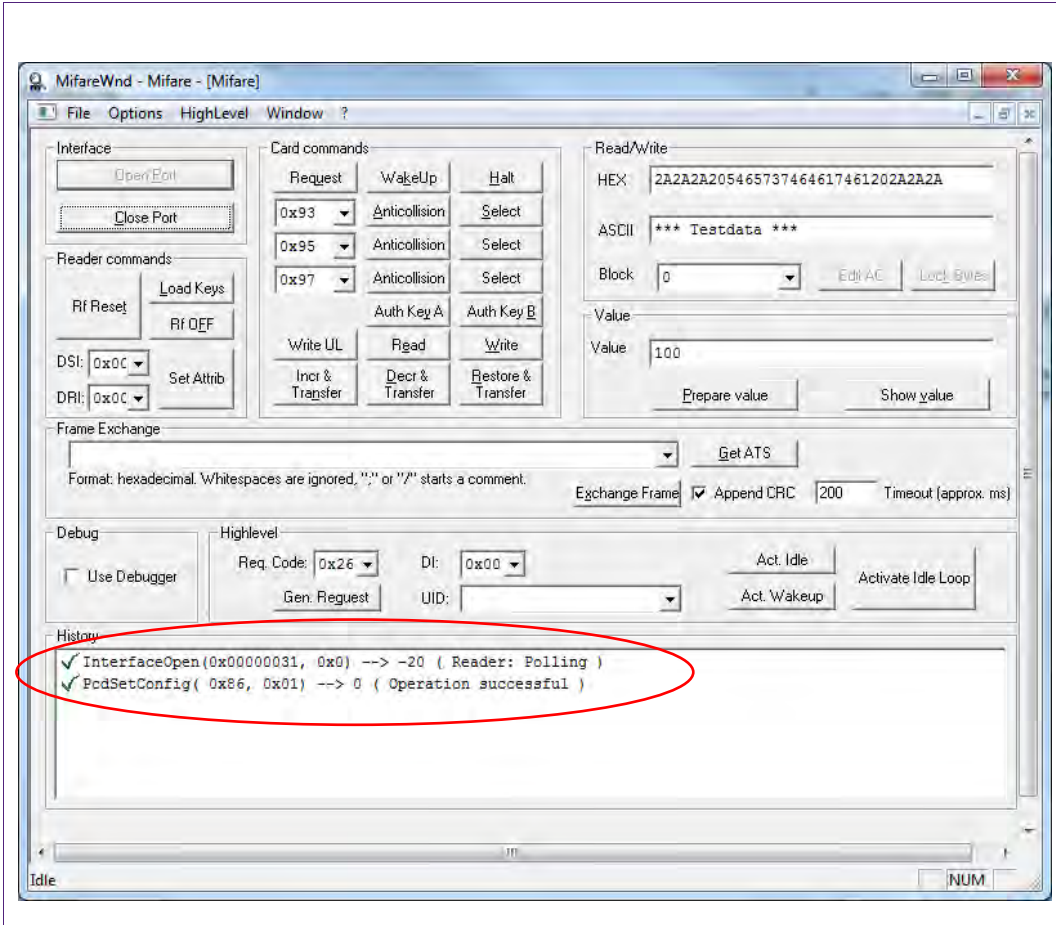AN11089

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Fig. 7 Connect Successful

5) Select Options from the menu entry. A drop down menu will show up. Click on "RD700 Information" as shown in Fig. 8.

Fig. 8 Pegoda Reader Information

6) A window is coming up in which the current installed firmware version of the Pegoda reader is given as shown in Fig. 9.
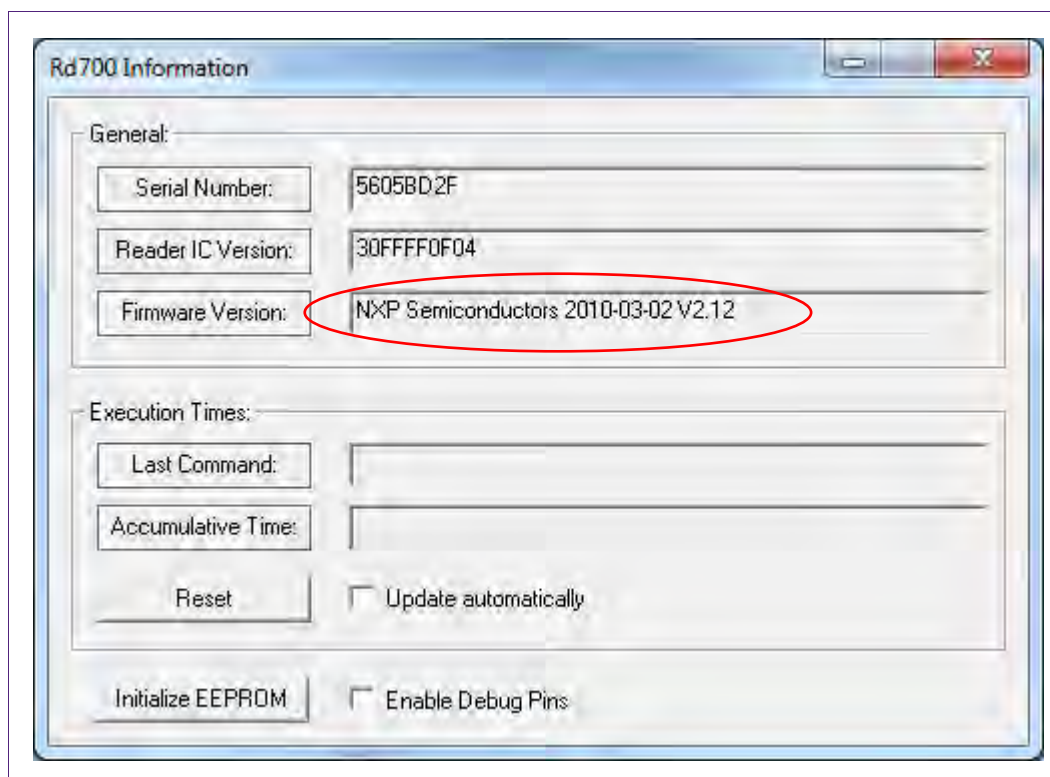
Fig. 9 Firmware Version

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6. List of figures

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