

I²C Controller IP Core Setup

Installation Guide



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Introduction

This installation guide familiarizes you with the contents of the I²C Controller IP Core setup.

Table below shows the revision history of the installation guide.

Version	Date	Description
1.0	May 2015	First release

How to Contact SLS

For the most up-to-date information about SLS products, go to the SLS worldwide website at <http://www.slscorp.com>. For additional information about SLS products, consult the source shown below.

Information Type	E-mail
Product literature services, SLS literature services, Non-technical customer services, Technical support.	support@slscorp.com

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This Installation Steps guides the user through the installation process of SLS I²C Controller IP Core.



We assume that following software are installed on your pc.

- Windows 2000, XP
- Quartus II 8.1, Nios II EDS 8.1

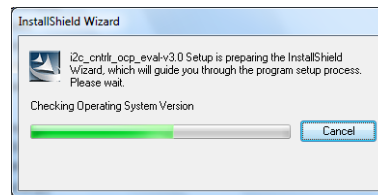
Installing I²C Controller IP Core

The I²C Controller IP Core is provided as a setup for using it in various designs. Following steps shows the installation procedure for the IP Core setup file on your system.

Step1: Preparing to Install

Double click on the **i²c_cntrlr_ocp_eval-v<IP Core Setup version#>.exe** file. It displays the message as shown in [Figure- 1](#).

Figure -1. Install SLS I²C Controller



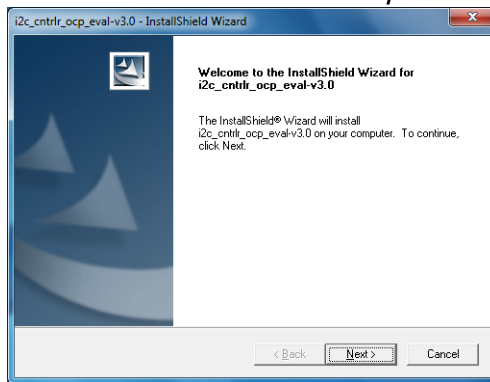
Step2: Welcome to the SLS I²C Controller IP Installation Wizard

Then the next window appears showing the message, '**Welcome to the SLS i²c_cntrlr_ocp_eval-v<IP Core Setup version#> Installshield Wizard**' appears as shown in [Figure- 2](#). There are three options available, '**Back**', '**Next**' and '**Cancel**'. Choose the correct option as per the requirement.

1. Choose '**Back**' to go to previous window.

2. Choose **'Next'** to continue the installation.
3. Choose **'Cancel'** to end the setup for installation. Selecting this option pops up a message window having options, **'Yes'** and **'No'**.
 - To continue the installation choose **'No'**.
 - To exit setup choose **'Yes'**.

Figure -2. Welcome SLS I²C Controller IP Setup Wizard



Step3: License Agreement

The setup shows a **"License Agreement"** window. Accept the agreement in order to continue with setup. Select **"I accept the terms of license agreement"** option after reading the License terms as shown in [Figure- 3](#).

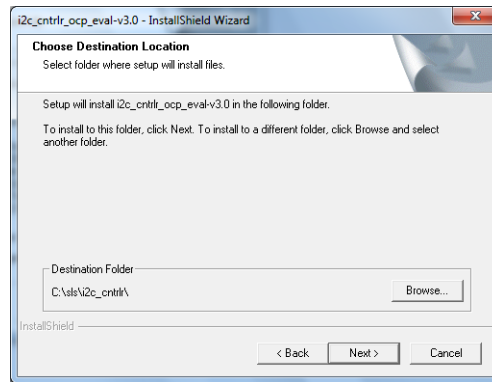
Figure -3. License Agreement



Step4: Choosing Destination Location

The “**Choose Destination Location**” window appears asking the installation directory for I²C Controller IP Core. See [Figure- 4](#). For installing to a different folder, click “**Browse**” button. Choose ‘**Next**’ to continue the setup.

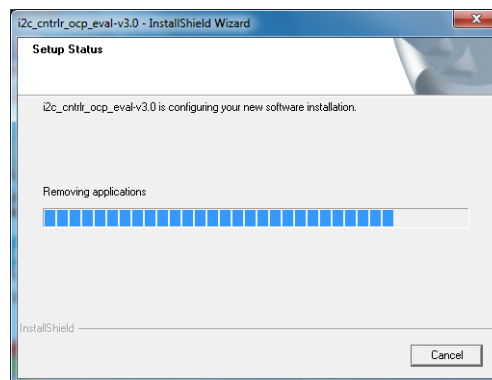
Figure -4. Choose Destination Location



Step5: Start Copying the Program Files

It starts copying the IP Core files to the directory selected. See [Figure- 5](#).

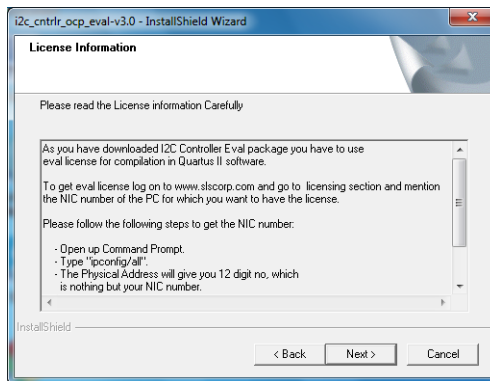
Figure -5. Setup Status



Step5: License Information

After copying the files, the “**License Information**” window explaining the steps to request the license for IP Core. See [Figure- 6](#). Choose ‘**Next**’ to go to finish window.

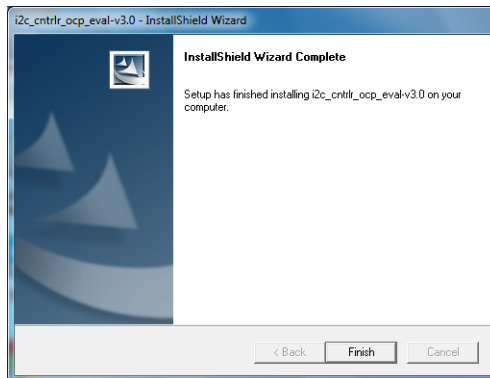
Figure -6. License Information



Step6: Finish Installation

As the installation completes, last window will appear as shown in [Figure- 7](#). Choose ‘**Finish**’ to exit from the installation window.

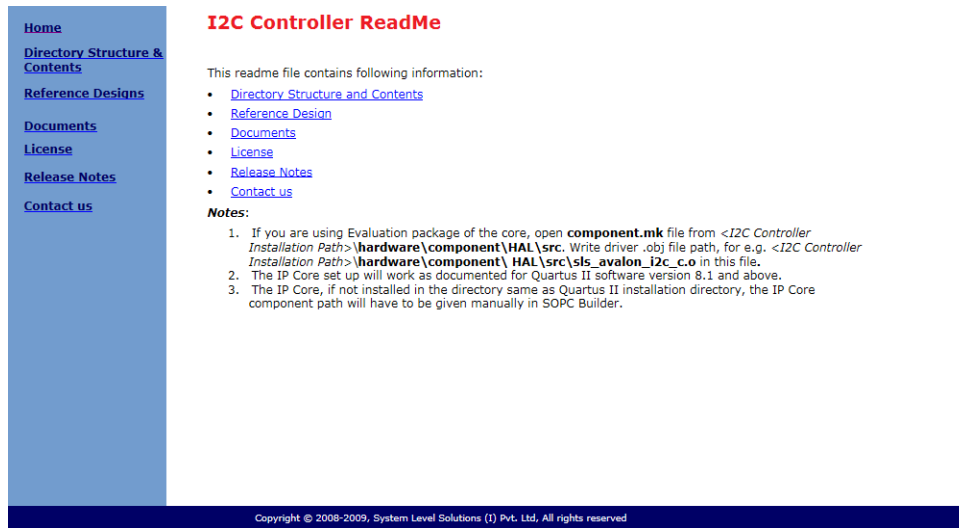
Figure -7. Installshield Wizard Complete



Step7: SLS I²C Controller ReadMe

After successful installation of the SLS I²C Controller IP Core, it opens the ReadMe file. See [Figure- 8](#).

Figure 8. SLS I2C Controller IP Core After Installation



To verify the proper installation of I²C Controller IP core, make sure that the installed IP Core directory structure is same as the directory structure specified in the ReadMe file.

[Table 1](#) lists I²C Controller IP Core installation directory content and their description. The default Windows installation directory is **c:\sls**.

Table 1. Installed Directory Contents

Directory Name	Description of Contents
documents	Contains technical documents such as User Guide, Tutorial, and HAL API User Guide for the I ² C Controller IP Core and readme help files.
embedded	Contains sample source code for applications with Nios II.

Table 1. Installed Directory Contents

Directory Name	Description of Contents
example	Contains example for using I ² C Controller which includes Nios II source applications such as sls_i2c_rtc_test, sls_i2c_cntrlr_test and sls_i2c_cntrlr_sim_test
hardware	Contains encrypted I ² C Controller IP Core design files and ready to use reference designs and HAL driver for the core.
component	Contains encrypted I ² C Controller IP Core design files.
ref_design	Contains ready to use reference designs for UP3 1C6 kit (Cyclone).
simulation	Contains simulation library files and .VO file required for simulation.