I^{2}C Master IP Core Setup

Installation Guide

System Level Solutions, Inc. (USA)
14100 Murphy Avenue
San Martin, CA 95046
(408) 852 - 0067

http://www.slscorp.com

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About this Guide

Introduction

This installation guide familiarizes you with the contents of the I^2C Master 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

Contents

Software Installation

This Installation Steps guides the user through the installation process of SLS I^2C Master IP Core.

☞ We assume that following software are installed on your pc.

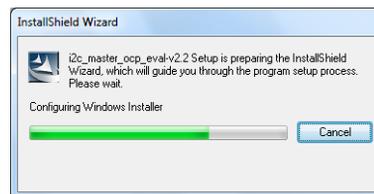- Windows 2000, XP
- Quartus II 8.1, Nios II EDS 8.1

Installing I^2C Master IP Core

The I^2C Master 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_master_ocp_eval-v**<*IP Core Setup version#*>**.exe** file. It displays the message as shown in

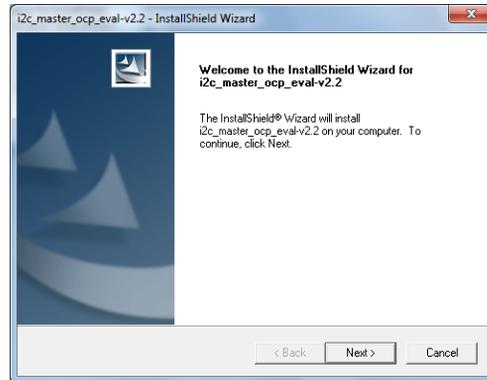*Figure -1. Install SLS I^2C Master*

Step2: Welcome to the SLS I^2C Master IP Installation Wizard

Then the next window appears showing the message, '**Welcome to the SLS i²c_master_ocp_eval-v**<*IP Core Setup version#*> **Installshield Wizard**' appears as shown in 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 Master 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 I^2C Master IP Core. See Figure- 4. For installing to a different folder, click "**Browse**" button. Choose '**Next**' to continue the setup.
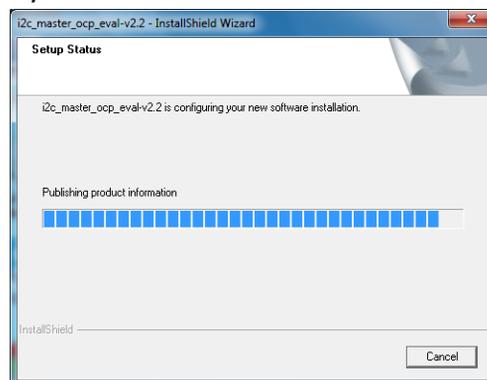
Figure -4. Choose Destination Location

Step5: Start Copying the Program Files

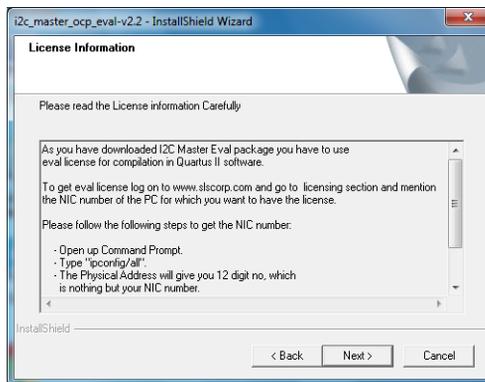It starts copying the IP Core files to the directory selected. See Figure- 5.

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.
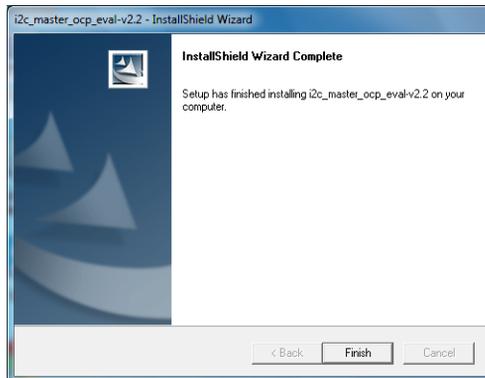
Figure -6.   License Information

Step6: Finish Installation

As the installation completes, last window will appear as shown in Figure- 7. Choose '**Finish**' to exit from the installation window.
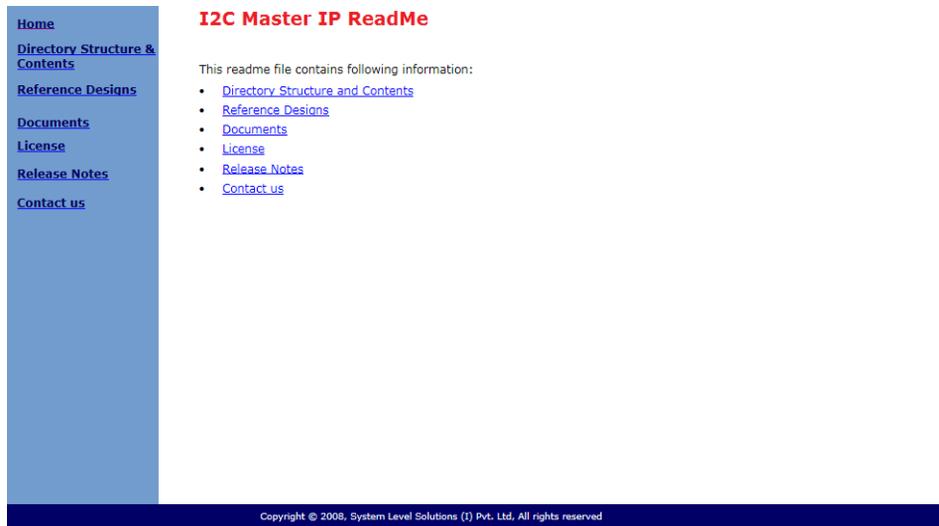
Figure -7.   Installshield Wizard Complete

Step7: SLS I^{2}C Master ReadMe

After successful installation of the SLS I^{2}C Master IP Core, it opens the ReadMe file. See Figure- 8.

Figure 8.   SLS I2C Master IP Core After Installation

☞   To verify the proper installation of I^{2}C Master 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 I^{2}C Master 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 Master IP Core and readme help files.
embedded	Contains sample source code for applications with Nios II.
example	Contains I2C Master IP example source files such as lcd, led, simulation and using_interrupt.

Table 1. Installed Directory Contents	
Directory Name	**Description of Contents**
hardware	Contains encrypted I^{2}C Master IP Core design files and ready to use reference designs and HAL driver for the core.
component	Contains I^{2}C Master IP Core design files and HAL driver files.
simulation	Contains files or folders required for simulation.
ref_design	Contains ready to use reference designs for UP3 Education kit (EP1C6).