

孕龍科技股份有限公司 Zeroplus Technology Co., Ltd.

Instrument Business Department

SLE4442 Specification

Version : V1.00



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1 Software Installation

Please install the software as the following steps:

***** Remark: 1. The installation steps for all protocol analyzers are the same; you can complete the installation by following procedures. The following is an example to install protocol analyzer SSI.

% Remark: 2. We won't have additional notice for you, when there is any modification of the module specification. If there is some unconformity caused by the module version upgrade, users should refer to the module software as the standard.









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STEP 3. Click Next.



STEP 4. Select **I accept the terms in the license agreement**, and then press **Next**.

1	Protocol Analyzer SSI - InstallShield Vizard	×
	License Agreement Please read the following license agreement carefully.	4
	LICENSE AGREEMENT	^
	IMPORTANT-READ CAREFULLY : This LICENSE AGREEMENT is entered into effect between ZEROPLUS Technology Co., Ltd. (hereinafter "ZEROPLUS") and Customer (Individual or Registered Company). Whereas, ZEROPLUS owns a software product, including computer software as a package product for certain computer products, relevant intermediary, product information, electronic file and internet on-line downloadable software electronic file and service. known as "ZEROPLUS	•
	I accept the terms in the license agreement Print I do not accept the terms in the license agreement	
Ir	nstallShield < <u>B</u> ack <u>N</u> ext > Cancel	



STEP 5. Fill in users' information in the below dialog box and click **Next**.

🛃 Protocol Analyzer SSI - InstallShield Vizard	
Customer Information Please enter your information.	
User Name: sunshine	
Organization: zeroplus	
Install this application for:	
 Anyone who uses this computer (all users) 	
◯ Only for <u>m</u> e (微软用户)	
InstallShield	Cancel

STEP 6. At first, select **Complete** and then click **Next**.

🙀 Protocol A	nalyzer SSI - InstallShield Vizard	×
Setup Type Choose the set	up type that best suits your needs.	
Please select a	setup type.	
⊙ <u>Complete</u>	All program features will be installed. (Requires the most disk space.)	
Cu <u>s</u> tom	Choose which program features you want installed and where they will be installed. Recommended for advanced users.	
InstallShield	< <u>B</u> ack <u>N</u> ext > Cancel	



STEP 7. Click **Install** to begin the installation.

🥵 Protocol Analyzer SSI - InstallShield Vizard 🛛 🛛 🔀		
Ready to Install the Program The wizard is ready to begin installation.		
Click Install to begin the installation.		
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.		
Toctal/Shield		
< <u>B</u> ack Install Cancel		

STEP 8. Click **Finish** to complete the installation.

🔂 Protocol Analyzer	SSI - InstallShield Vizard	×
	InstallShield Wizard Completed	
	The InstallShield Wizard has successfully installed Protocol Analyzer SSI. Click Finish to exit the wizard.	
	< Back Einish Cancel	



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2 User Interface

Please refer to the below images to select options of setting SLE4442 MODULE.

SLE4442 Configuration dialog box



Mode Selection:

There are two modes for SLE4442: one mode is activating RST, and the other is not activating RST.

Pin Assignment:

Selection of Protocol Analyzer SLE4442 channels:

- 1. CLK is the clock signal line, and its default is A0.
- 2. I/0 is the data signal line, and its default is A1.
- 3. RST is the control signal line, and its default is A2.

When the RST is activated, the decoding is the 3-line mode, and the value of I/0 is read as the CLK is Rising Edge. When the RST is not activated, the decoding is 2-line mode, and the default of RST is Low; the value of I/0 is also read as the CLK is Rising Edge.

Protocol Analyzer Color:

The color of the protocol analyzer can be varied by users.



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SLE4442 Package dialog box

PROTOCOL ANALYZER SLE4442 SETUP:Bus1				
Configuration Pack	Kage Register			
Item	Color	Item	Color	
TTR ATR	•••	VO_EFFECT	···	
🔽 START	•••	V OUTGOING_DATA		
🔽 STOP		V INPUT_DATA	<mark></mark>	
✓ ADDRESS		V PROCESSING		
CONTROL	•••	V DESCRIBE		
	OK	Cancel D	efault Help	

In the package part, users can vary the displaying items and the package color.

PROTOCOL ANALYZER SLE4442 SETUP:Bus1 Configuration Package Register Congratulation SLE4442 decoding function has been activated! If you have questions about operating software please follow the appropriate instructions below. Our technical support team will be happy to answer any questions you have. >> By phone: Tel:886-2-66202225 service_2@zeroplus.com.tw >> Applications through EMail: http://www.zeroplus.com.tw >> Website: Copyright(C) 1997-2008 ZEROPLUS TECHNOLOGY CO., LTD. ΟK Cancel Default Help

SLE4442 Register dialog box

There is Zeroplus company information. If you have any questions about software operations, you can contact Zeroplus by Telephone or Email.



3 Operating Instructions



STEP 2. Select **Bus1**, then press **Right key** on the mouse to list menu, then press **Bus Property** or **Bus** bar on the toolbar to open **Bus Property** dialog box.





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STEP 3. For Protocol Analyzer SLE4442 Parameters Configuration, select Protocol Analyzer, and then choose **ZEROPLUS LA SLE4442 MODULE V1.00**, next click **Parameters Configuration** to open **Parameters Configuration** dialog box.

Bus Property	X	
General Bus Setting	Color Config A0 Rising analysis	
Protocol Analyzer Setting		
Protocol Analyzer	Rarameters Config	
C ZEROPLUS LA PS/2 MODULE V1.05 C ZEROPLUS LA PSB MODULE V1.02 C ZEROPLUS LA SD1 1/SD10 MODULI	E V1 00	
ZEROPLUS LA SLE4442 MODULE V1.00		
C ZEROPLUS LA SM 2.0 MODULE VI.00 C ZEROPLUS LA S/PDIF MODULE VI.03 C ZEROPLUS LA SPI MODULE VI.10 C ZEROPLUS LA SSI MODULE VI.06 C ZEROPLUS LA ST7669 MODULE VI.03		
🔽 Use the DsDp	Find	
Other More Protocol Analyzer : http://www.zeroplus.com.tw OK Cancel Help		

STEP 4. Press Register tab to type the serial key number of **SLE4442**. Then, press **Register**.

PROTOCOL ANALYZER SLE4442	SETUP:Bus1	×
Configuration Package Register		
The SLE4442 protocol analyzer de purchase its serial key to activate l	ecoding function is an optional purchased item.Welcome to this function for your necessary.	
parendee to condition to deal de-		
Enter serial key:		
If you ordered software or have gu	restions about ordering software please follow the	
appropriate instructions below.Our	sales team will respond to your enquiry as soon as	
p		
>> By phone:	Tel:886-2-66202225	
>> Applications through EMail:	service_2@zeroplus.com.tw	
>> Website:	http://www.zeroplus.com.tw	
Copyright(C) 1997-2008 ZEROPLUS TECHNOLOGY CO., LTD.		
	Register Cancel Default Help	



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STEP 5. After completing **Register**, come back to the **Bus Property** dialog box, and then click **Parameters Configuration** to start the protocol analyzer SLE4442 setup.

Bus Property	
General Bus Setting GENERAL BUS	Color Config A0 Rising analysis
Protocol Analyzer Setting	
Protocol Analyzer	Parameters Config
C ZEROPLUS LA PS/2 MODULE	V1.05
C ZEROPLUS LA PSB MODULE V	
C EROPLUS LA SLE4442 MOD	ULE V1.00
C ZEROPLUS LA SIN 2.0 MODU	LE V1.00
C ZEROPLUS LA SPI MODULE V	/1.10
C ZEROPLUS LA SSI MODULE V	/1.06
C ZEROPLUS LA ST7669 MODU	JLE V1.03
☑ Use the DsDp	Find
Other More Protocol Analyzer :	http://www.zeroplus.com.tw
ОК	Cancel Help

STEP 6. Select the channels for CLK, I/0 and RST from their dropdown menus.

PROTOCOL ANALYZER SLE4442 SETUP:Bus1
Configuration Package Register Pin Assignment
CLK: 1/0: A1 -
▼ Activate RST: A2 ▼
Protocol Analyzer Color
ATR ADDRESS OUTGOING_DATA
START CONTROL ·· INPUT_DATA ··
STOP NO_EFFECT ·· PROCESSING ··
OK Cancel Default Help



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STEP 7. Select the decoding mode.

PROTOCOL ANALYZER S	LE4442 SETUP:Bus1	
Configuration Package	Register	
CLK: AO	▼ I/0: A1	•
Activate RST: A2		
-Protocol Analyzer Col	or	
ATR ···	ADDRESS OUTGOING	DATA
START ···	CONTROL INPUT_DAT	A
STOP	NO_EFFECT PROCESSIN	IG ···
	OK Cancel	Default Help

STEP 8. Select the protocol analyzer color.

PROTOCOL ANALYZER SLE4442 SETUP:Bus1	×		
Configuration Package Register Pin Assignment	1		
CLK: 10 I/O: A1 V			
✓ Activate RST: A2			
-Protocol Analyzer Color			
ATR ADDRESS OUTGOING_DATA			
START CONTROL INPUT_DATA ···			
STOP NO_EFFECT PROCESSING			
UK Cancel Default Relp			



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STEP 9. Following pictures show the completion of the protocol analyzer decoding and the package list. The Trigger condition is set as Either Edge; the Memory depth is 128K; the Sampling frequency is 200MHz; the compression function is activated.





Package List

