仿真器安装

1、正确连接仿真器以及目标板.

上电;

阅读相关文档:Utilities\SEED-XDSUSB2.0\xdsusb.pdf;

电脑将识别 usb 接口并引导安装驱动程序.路径如下:

Utilities\SEED-XDSUSB2.0\Win2000,XP\xdsusb2driver

设备管理器当中会显示 "SEED-XDSusb2.0 Emulator"



2、安装软件:

TMS320 C2000 (TMDSCCS2000-1); TMS320 C3000 (TMDS3240130); TMS320 C5000 (TMDSCCS5000-1); TMS320 C6000 (TMDSCCS6000-1); TMS320 OMAP (TMDSCCSOMAP-1); 3、针对不同的 DSP 系列安装不同的驱动程序:

注意: 安装路径必须与软件路径一致.

(1) **C2000:**

Utilities\SEED-XDSUSB2.0\Win2000,XP\Drivers\disk for c2000\setup.exe

(2) TMS320VC33:must install the following two files

<u>Utilities\SEED-XDSUSB2.0\Win2000,XP\Drivers\disk for vc33\cc_c3x4x_SP2.exe</u> Utilities\SEED-XDSUSB2.0\Win2000,XP\Drivers\disk for vc33\setup.exe

(3) C5000:

Utilities\SEED-XDSUSB2.0\Win2000,XP\Drivers\disk for c5000\Setup.exe

(4) C6000:

Utilities\SEED-XDSUSB2.0\Win2000,XP\Drivers\disk for c6000\Setup.exe

(5) DSC21 、 25/DM270、 310/OMAP/TMS320VC547X:

Utilities\SEED-XDSUSB2.0\Win2000,XP\Drivers\disk for

dsp+arm\Setup.exe

4、重新启动电脑.

5、安装完驱动程序以后,可以使用"<u>usb20emurst.exe</u>"检测仿真器的工作状态。

b20emu	st			
erro	Usb20emurst Ve	rsion 2.0		Reset
USB20	Copyright (C)	2002		
				Exit
SEED USB	2.0 XDS510 CARL	IS RESET,	HARDWARE	VERSION 1

这样表示仿真器工作正常.

- 6、CCS setup 配置:
 - (1) **C2000:**

TMS320C2XX/TMS320F24X/TMS320LF24XX:

Seedxds2xx.dvr

	TMS320F27XX:	F27xx XDS510 Emulator
	TMS320F28XX:	F28xx XDS510 Emulator
(2)	TMS320VC33:	
	TMS320VC33:	seedxdsvc3x.dvr
(3)	C5000:	
	TMS320VC54XX:	C54XX XDS510 Emulator
	TMS320VC55XX:	C55XX XDS510 Emulator
(4)	C6000:	
	TMS320C6X0X:	C6X0X XDS510 Emulator
	TMS320C6X1X:	C6X1X XDS510 Emulator
	TMS320C64XX TMS320	C64X/TMS320DM642:

C64XX XDS510 Emulator

Version1.0: C64XX Rev1.0 XDS510 Emulator (5) DSC21 、 25/DM270、 310/OMAP/TMS320VC547X:

heterogti.dvr

7、注意: 添加 Seedusb2.cfg 于 "Auto-generate board data file with

extra configuration".

🚰Code Composer Studio Set	up	_ 8 ×
<u>File Edit View H</u> elp		
System Configuration	Available Board/Simulator Type:	
My System	ARMY XDS (Texas Instruments) Import a Configuration File	-
	Board Properties ? 🗙	
	Processor Configuration Startup GEL File(s) Board Name & Data File Board Properties	
	Board C54x XDS (Texas Instruments)	
	Auto-generate board data file with extra conf 💌	
	Configurati File: D:\tiomap\drivers\Seedusb2.cfg [Browss] RTDX.	
	Device Driver	
	D:\tiomsp\drivers\tixds54x.dvr	
	Run profiling Step profiling	
	Multiple processors Synchronous run Sinhal breaknointe	- • •

- 8, I/O PORT: 0x240
- 9、单 CPU,选择 Add Single.

多 CPU 则选择: Add Multiple, 输入相对应的数目.

注意: The TMS320C6X0X Add TMS320C6X0X

The TMS320C6X1X Add TMS320C6X1X

TMS320VC547X: TMS470R1 & TMS320C5400. add BYPASS

with extra

OMAP: TMS470R2 & TMS320C5500, add BYPASS with extra

10、完成.

11、保存并启动软件 Code Composer Studio.

12.举例说明: TMS320LF24XX

a、 安装软件 TMDSCCS2000-1:



路径: c:\tic2000;

b、安装驱动:

Utilities\SEED-XDSUSB2.0\Win2000,XP\Drivers\disk for c2000\Setup.exe

路径: c:\tic2000;

重新启动电脑;

c、点击"<u>usb20emurst.exe</u>";

Vsb20emur	st Version 2.0		Reset
Copyright	(C) 2002		
			Exit
	Usb20emur Copyright	Usb20emurst Version 2.0 Copyright (C) 2002	Usb2Oemurst Version 2.0 Copyright (C) 2002

表示仿真器工作正常.

- d、双击桌面上图标 "Setup CCS 2 ('C2000)":
- e、关闭如下窗口.

(1) 我的文档	PartitionMagic 8.0		Setup CCS 2 CCS 2 ('C2000) ('C2000)
我的电脑	Acrobat Reader 5.1	tudio Setup Import Configuration Agailable Configurations	<u>-</u> □×
2012 网上邻居	PartitionMa.	C27xx Cycle Accurate Simulator A C27xx XDS510 Emulator Import C27xx XDS500 Emulator F240 XDS510 Emulator F240 XDS500 Emulator Clear	onfiguration File evice Driver
じ 回收站	Register Cod Composer	Filters- Family Platform Endianness	
Internet Explorer	SDConfig	Configuration Description	
pic		✓ Show this dialog next time Set	up is
	Drag a device driver to	Advanced >>> 3ave and Quit Close Hel	
●日本	🌾 🗐 🚮 🗍 🌮 Code Composer St	udio Se	i2:58 🖉 🗗 🔆

f、 双击中间栏里面的驱动 "F24XX XDS510 Emulator":



g、选择"Auto-generate board data file with extra configuration"

(二) 我的文档	PartitionMagic 8.0	Setup CC5 2 (C2000) (*	2000)
我的电脑	Acrobat Reader 5.1	Ele Edk Board Properties ? X System (Processor Configuration Startup GEL File(s)	<u>- I X</u>
日本 阿上邻居	PartitionMa	Board Name & Data File Board Properties Board F24xx XDS510 Emulator	File
<mark>どう</mark> 回收站	Register Code Composer	Auto-generate board data file with extra conf Configurati File: Specify custom board data file Configurati Specify custom board data file	
Internet Explorer	SEED PCI pciemurst.exe	Diagnostic Utility: <u>B</u> rowse Diagnostic Arguments: Device Driver	iixds2
pic		D:\tic20002.2\drivers\tixds24x.dvr Next > 取消	indow
Icd&kbd		Drag a device driver to the left to add a board to the system.	

h、添加 seedusb2.cfg ,路经 c:\tic2000\drivers

Code Composer Studio Set	tup	_8×
System Configuration	Available Board/Simulator Types	
······· 📙 My System	Board Properties	<u>_</u>
	Processor Configuration Startup GEL File(s) Roard Name & Date File D D D D D C C C C C C C C C C C C C C	
	查找范围(L): 🔄 drivers 🔽 🗢 色 😤 Ⅲ-	
	Seedusb2.cfg	
	IE/NT/XP	
	文件名 W): Seedusb2.cfg 文件类型 W): Configuration Files (*.cfg) 取消 //	
-	Multiple processors Synchronous run Global breakpoints Real-time Real-time switching	

I/O Port: 0x240

Code Composer Studio Se	etup		<u>_8×</u>
System Configuration	Available Board/Simulator Types		
My System	C24x Emulator (Texas Instruments)	Import a Configuration File	-
	Board Properties		? ×
	Processor Configuration Board Name & Data File	Startup GEL File(s) Board Properties	1
	Propert	Value	
	I/O Port	0x240	-
	Change property value as necessary	in the right column.	IE/NT/XP
		Nert > 取消	
		Multiple processors Synchronous run Global breakpoints Real-time Real-time switching	

以单 CPU 为例,添加 Add Single "TMS320C24xx"

🛜 Code Composer Studio Se	etup	_ & ×
Eile Edit View Help System Configuration	Available Board/Simulator Type:	
My System		
	Board Properties	
	Board Name & Data File Board Properties Processor Configuration Startup GEL File(s)	
	Available Processors: Processors On Init	
	TMSS20024xx Add Single	
	Add Multiple	
	<u><u>R</u>emove</u>	_
	Processor Name:	.Р
	CPU_1	
	Identify processors on your board by selecting a processor type from "Available Processors," changing the "Processor Name" as required, and then select "Add Single" or "Add Multiple." Repeat for all processors on your board.	
	Next > 取消	
	Multiple processors	-
	Global breakpoints	
	Real-time Real-time switching	×
	LSL	

"Finish"。

Code Composer Studio Se File Edit View Help	etup		_ B ×
System Configuration	Available Board/Simulator Type:		
	C24x Emulator (Texas Instruments)	Import a Configuration File	_
	Board Properties	?	×
	Board Name & Data File Processor Configuration	Board Properties Startup GEL File(s)	1
	CPU S	tartup GEL	
	CPU_1		
	<u> </u>	Finish 取消	

🍯 Code Composer Studio Se	etup	
<u>File E</u> dit <u>V</u> iew <u>H</u> elp		
System Configuration	Available Processor Types	
Hy System	TM5320C24xx	Import a Configuration File Install a Device Driver

i、 保存并进入 CCS.



