目录

1,	概述	2
2,	安装	4
4	使田1	4

CSR USB SPI

说明书

2013年4月

1、概述

版本历史:

版本	日期	作者	摘要
V1.0	2013-4-1		第一版说明书

CSR USB SPI 概要:

1、CSR USB-SPI 调试器是真正的 USB 接口,比并口速度快很多,很好地解决了电脑没有并口用户的烦恼。

2、CSR USB-SPI 支持 CSR 全系列调试工具,包括 BlueFlash, PSTOOL, BlueTest3, BlueLab 等。

3、CSR USB-SPI 可以通过 Bluelab 下载调试程序,支持断点调试,单步调试等,通过 BlueFlash 烧写程序等。

4、支持 CSR 所有系列蓝牙芯片,例如

BC2 系列(例 BC215159A 等),

BC3 系列(例 BC31A223,BC358239A 等)

BC4 系列(例 BC413159A06,BC417143B,BC419143A 等),

BC5 系列(例 BC57F687,BC57E687,BC57H687C 等),

BC6 系列(例 BC6110, BC6130, BC6145, CSR6030, BC6888 等),

(注:不支持 BC6145 CVC 调试, CSR 官方也不支持)

BC7 系列(例 BC7820,BC7830 等)

BC8 系列(例 CSR8610,CSR8620,CSR8640,CSR8645,CSR8605,CSR8670 等)

BLE 系列(例如 CSR1000,CSR1001 等)

5、支持所有 Windows 操作系统:

- Windows 98SE
- Windows ME
- Windows 2000 SP4
- Windows XP SP2 and above (32 & 64 bit)
- Windows Server 2003 (32 & 64 bit)
- Windows Server 2008 / 2008 R2 (32 & 64 bit)
- Windows Vista (32 & 64 bit)
- Windows 7 (32 & 64 bit)
- 6、体积小,便于携带,纯铝壳坚硬不易损坏

2、安装

安装驱动说明:

Connecting a USB-SPI Converter to a PC for the First Time

This section describes how to connect a CSR USB-SPI converter to a PC for the first time and how to install the driver. If you have already done this, go to Section 4.

1.Connect the USB-SPI converter to the PC. The Found New Hardware Wizard dialogue displays.

2.Select the **No, not this time** button and click **Next**.

Found New Hardware Wizard	
Found New Hardware W12	Welcome to the Found New Hardware Wizard Windows will search for current and updated software by looking on your computer, on the hardware installation CD, or on the Windows Update Web site (with your permission). Read our privacy policy Can Windows connect to Windows Update to search for software? O Yes, this time only
	 Yes, now and every time I connect a device No, not this time Click Next to continue.
	< <u>B</u> ack <u>N</u> ext > Cancel

Figure 3.1: The Found New Hardware Wizard

3.Select the Install from a list or specific location (Advanced) button and click Next.

Found New Hardware Wizard	
	This wizard helps you install software for: CSR USB<>SPI Converter If your hardware came with an installation CD or floppy disk, insert it now.
	What do you want the wizard to do? Install the software automatically (Recommended) Install from a list or specific location (Advanced) Click Next to continue.
	< <u>B</u> ack <u>N</u> ext > Cancel

Figure 3.2: Installing from a Specific Location

4.Select the **Don't search, I will choose the driver to install** button and click **Next**.

Found New Hardware Wizard
Please choose your search and installation options.
\bigcirc Search for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable <u>m</u> edia (floppy, CD-ROM)
Include this location in the search:
C:\Program Files\CSR\BlueSuite\drivers S
Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
< <u>B</u> ack <u>N</u> ext > Cancel

Figure 3.3: Choosing to Select the Driver Manually

5.Select **Show All Devices** and click **Next**.

Found New Hardware Wizard		
Hardware Type.		
Select a hardware type, and then click Next Common <u>h</u> ardware types:	- -	
Show All Devices Show All Devices Show All Devices Show All Devices Show All Device Class Show AVC Device Class Show AVC Device Class Show AVC Device Class Show All Devices Show All Device Class Show All Devices Show All Device Class		
Bluetooth Radios Scomputer Disk drives		
	< <u>B</u> ack <u>N</u> ext > Cancel	

Figure 3.4: Selecting the Hardware Type

6.Click Have Disk.

Found New Hardware Wizard		
Select the device driver you	want to install for this hardware.	
Select the manufacturer and have a disk that contains th	d model of your hardware device and then click Next. If you ne driver you want to install, click Have Disk.	
Manufacturer Standard CD-ROM drives) (Standard IDE ATA/ATAPI col (Standard keyboards) (Standard system devices)	Model CD-ROM Drive (force CDDA accurate) CD-ROM Drive (force CDDA inaccurate) CD-ROM Drive (force IMAPI disable) CD-ROM Drive (IMAPI settings 0,1) Have Disk	
This unver is algitally signed. Tell me why driver signing is imp	ortant	
	< <u>B</u> ack <u>N</u> ext > Cancel	

Figure 3.5: Selecting the Have Disk Button

7.Browse to the **/drivers/** sub-directory of the BlueSuite installation directory and click **OK**.

Install F	rom Disk	X
	Insert the manufacturer's installation disk, and then make sure that the correct drive is selected below.	OK Cancel
	<u>C</u> opy manufacturer's files from: C:\Program Files\CSR\BlueSuite\drivers	<u>B</u> rowse

Figure 3.6: Selecting a Driver from BlueSuite

8.Ensure that the **CSR USB<>SPI converter** driver is selected and click **Next**.

Found New Hardware Wizard
Select the device driver you want to install for this hardware.
Select the manufacturer and model of your hardware device and then click Next. If you have a disk that contains the driver you want to install, click Have Disk.
Model
CSR USB<>SPI converter
Image: This driver is not digitally signed! Have Disk Tell me why driver signing is important Have Disk
< <u>B</u> ack <u>N</u> ext > Cancel

Figure 3.7: Selecting the Device Model

9.Click Continue Anyway.

Hardware Installation	
	The software you are installing for this hardware: CSR USB<>SPI converter has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.) Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
	Continue Anyway STOP Installation

Figure 3.8: Hardware Installation Dialogue

10. Click Finish.



Figure 3.9: Completing the Found New Hardware Wizard

11. Open the Windows Device Manager and check that the USB-SPI converter has installed correctly.



Figure 3.10: Windows Device Manager

3、使用

1、硬件接口说明



- A、连接 USB SPI 至电脑
- B、如果上图中:GND、MISO、CSB、MOSI、CLK分别连接你的CSR 蓝牙的SPI角,顺序对应。
- C、Power 灯为电源状态指示灯
- D、Data 灯为数据灯,当烧录程序或下载程序时,此灯会闪烁。