Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

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Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

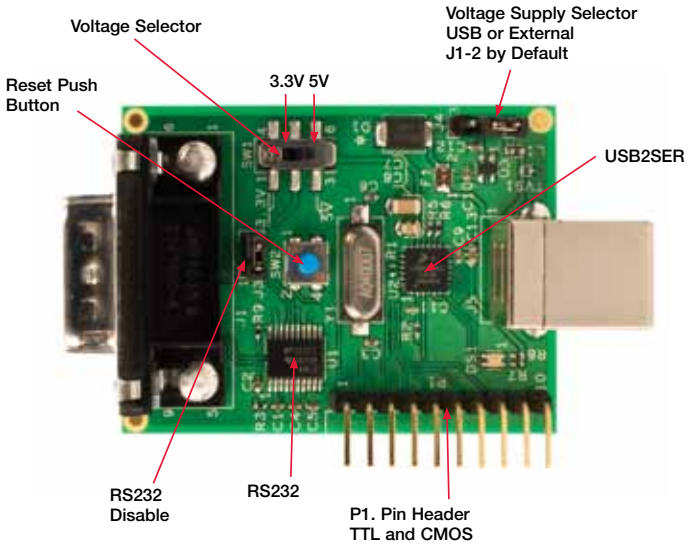
Quick Start Guide

EVBUSB2SER board for USB-to-serial bridge

freescale™

Ready Play Solutions

Get to Know the EVBUSB2SER Board



USB-to-Serial Bridge Ready Play Solution (EVBUSB2SER)

Freescale's Ready Play solutions integrate certified functionality to different applications, allowing customers to add features while reducing development cost, simplifying design cycles and enabling scalability in applications and systems.

The EVBUSB2SER board is part of Freescale's portfolio of communication solutions, and provides another way to connect your embedded system via USB. You are required to download the EVBUSB2SER board driver Ready Play solution during installation.

The EVBUSB2SER board is a communication bridge between the USB and serial data, which can be any RS232/RS485 or TTL. The EVBUSB2SER board supports baud rates from 300 through 115200 bps, eight data bits, odd or even parity, one or two stop bits, software (Xon/Xoff) and hardware flow control.

Installation Instructions

For Windows® XP/Windows Vista/Windows 7

1. Download the appropriate 32-bit and 64-bit installers from **freescale.com/USB2SER**
2. Run the installation file (*.msi)
3. Follow the installation steps
4. Plug the EVBUSB2SER board into your USB port
5. You will be prompted twice for the New Hardware Software
   - Select “No, not this time” when prompted to use Windows Update to search for software
   - Select “Install the Software Automatically” when prompted for the software location
   - If Windows sends a message that this software has not passed Windows logo testing, click “Continue Anyway”
6. Follow the steps to complete installation

For Linux

1. Download drivers from **freescale.com/USB2SER**
2. Unpack the downloaded files
3. Ensure the following files are contained within your downloaded driver package:
   - cdc-freescale.c
   - cdc-freescale.h
   - Makefile
   - Install.sh
4. Open a console and move to the previously mentioned folder

   Change current user to root
   - $ sudo su

     [sudo] password for user:
5. Execute install script passing as a parameter of the name of the host distribution (all lower case)

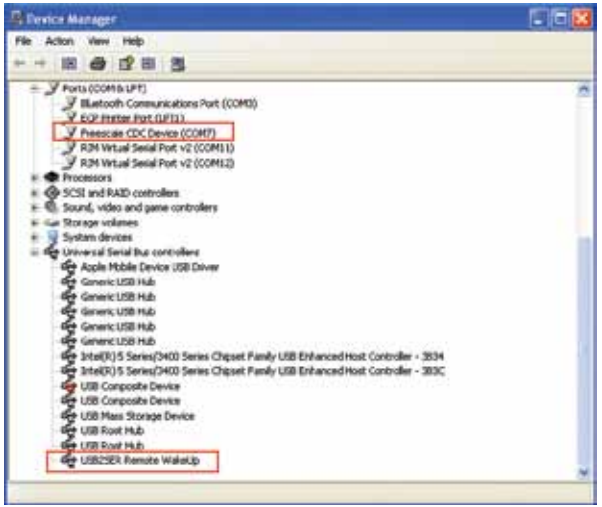
   a. Ubuntu
   - # ./Install.sh ubuntu

   b. Fedora
   - # ./Install.sh fedora

   c. Red Hat
   - # ./Install.sh redhat

How to Test

Once the driver is installed with the EVBUSB2SER board previously plugged into a USB port, verify the proper COMx in which the device was installed (see the image below). Open HyperTerminal with any configuration and type any key from the keyboard. You will see the LED indicator flashing.



Note: To access device manager: Start > Control Panel > System > Hardware > Software Tab > Device Manager.

The image below illustrates the command line for Linux.

“ttyACM0” will be the name of the device.

Jumper Options

J3	Disable RS232	Disable RS232. Enable TTL and CMOS signals.
J4	External voltage selector J1-2 by default	Select if power is supplied by the USB host or an external voltage. The external voltage (if selected) should be supplied on the P1 (j2-3).
SW1	Voltage selector	Provides 3.3 volts or 5 volts to the entire board.
P1	Signals pin headers	The P1 1 x 10 pin header should be used for TTL and CMOS signals.
SW2	Reset push button	Reset the device operation.

Quick Start Guide

For more information about this and other Ready Play solutions, please visit freescale.com/ReadyPlay and freescale.com/USB2SER

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