Release Notes
CY3674 EZ-USB® FX1 / CY3684 EZ-USB FX2LP™ Development Kit
Release Date: June 7, 2012

Thank you for your interest in the EZ-USB® FX1 and EZ-USB FX2LP™ Development Kits (DVK). This document lists installation requirements and describes software updates and changes.

Overview

The EZ-USB DVK is the best starting point for developing EZ-USB based products. It is designed to work with the EZ-USB FX2LP and FX1 chips. FX1 is a full-speed only version of FX2LP. Other than the absence of a high-speed transceiver, FX1 is identical to FX2LP.

The development kits for the EZ-USB FX2LP family provide complete hardware and software solutions to accelerate the firmware and device driver development for all products in the family. The kits use the actual silicon for the entire development.

Cypress includes an evaluation version of the 8051 Keil software tool. The evaluation version of the C-compiler allows the designer to write 8051 microcontroller applications in C and still get the efficiency and speed of assembly language, as well as the ability to single step through code. This makes it easy to detect errors, handle source level debugging, and set breakpoints. The ability to debug code one line at a time and compile quickly as well as the one-step download for new code provides developers a more efficient means to complete firmware faster than using emulators.

System Requirements and Recommendations

<table>
<thead>
<tr>
<th>Hardware/Operating System Requirements</th>
<th>Minimum</th>
<th>Recommended</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor speed</td>
<td>1 GHz</td>
<td>2 GHz</td>
</tr>
<tr>
<td>RAM</td>
<td>1 GB</td>
<td>2 GB</td>
</tr>
<tr>
<td>Free hard drive space</td>
<td>800 MB</td>
<td>1 GB</td>
</tr>
<tr>
<td>Screen resolution</td>
<td>1024×768</td>
<td>1280×1024</td>
</tr>
<tr>
<td>CD/DVD drive</td>
<td></td>
<td></td>
</tr>
<tr>
<td>USB host controller (full-speed or high-speed)</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Windows XP (SP2 or higher), Vista, and Windows 7</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

Software Prerequisites

<table>
<thead>
<tr>
<th></th>
<th>Minimum</th>
<th>Recommended</th>
</tr>
</thead>
<tbody>
<tr>
<td>Microsoft Internet Explorer</td>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td>Adobe Reader (for PDF documents)</td>
<td>6</td>
<td>9+</td>
</tr>
<tr>
<td>Microsoft Visual Studio Version (to compile Windows software examples)</td>
<td>6</td>
<td>Latest</td>
</tr>
<tr>
<td>Keil uVision Version 8051 tools (to compile firmware examples)</td>
<td>2</td>
<td>Latest</td>
</tr>
</tbody>
</table>

Installation

To install, insert the kit CD/DVD into your PC’s CD/DVD-ROM drive; wait for the setup program to run automatically. If the installer does not start automatically, run cyautorun.exe in the root directory of the CD/DVD. Follow the instructions on screen to complete the installation.
Updates


Documentation

The following documents are available at C:\Cypress\USB\CY3684_EZ-USB_FX2LP_DVK\<version>\Documentation.  
- Release Note EZ-USB FX1-EZ-USB FX2LP™ Development Kit
- EZ-USB FX1-EZ-USB FX2LP™ Development Kit Quick Start Guide
- EZ-USB® Development Kit User Guide
- EZ-USB® FX2LP Datasheet
- Errata for the EZUSB-FX2LP
- Migrating from EZ-USB FX2™ TO EZ-USB FX2LP™ - AN4078_C

The following documents are available at C:\Cypress\USB\CY3674_EZ-USB_FX1_DVK\<version>\Documentation.  
- Release Note EZ-USB FX1-EZ-USB FX2LP™ Development Kit
- EZ-USB FX1-EZ-USB FX2LP™ Development Kit Quick Start Guide
- EZ-USB® Development Kit User Guide
- EZ-USB FX1 Datasheet
- Silicon Errata for EZ-USB™ FX1 Product Family
- Migrating from AN21XX TO FX1 - AN5040

Silicon Errata

To access the latest versions of the silicon errata of FX2LP, please visit http://www.cypress.com/?rID=14344 and for FX1, visit http://www.cypress.com/?rID=50423.

Technical Support

For assistance, go to http://www.cypress.com/go/support or contact our customer support at +1(800) 541-4736 Ext. 8 (in the USA), or +1 (408) 943-2600 Ext. 8 (International).
Copyrights

© Cypress Semiconductor Corporation, 2011-2012. The information contained herein is subject to change without notice. Cypress Semiconductor Corporation assumes no responsibility for the use of any circuitry other than circuitry embodied in a Cypress product. Nor does it convey or imply any license under patent or other rights. Cypress products are not warranted nor intended to be used for medical, life support, life saving, critical control or safety applications, unless pursuant to an express written agreement with Cypress. Furthermore, Cypress does not authorize its products for use as critical components in life support systems where a malfunction or failure may reasonably be expected to result in significant injury to the user. The inclusion of Cypress products in life-support systems application implies that the manufacturer assumes all risk of such use and in doing so indemnifies Cypress against all charges.

Any Source Code (software and/or firmware) is owned by Cypress Semiconductor Corporation (Cypress) and is protected by and subject to worldwide patent protection (United States and foreign), United States copyright laws and international treaty provisions. Cypress hereby grants to licensee a personal, non-exclusive, non-transferable license to copy, use, modify, create derivative works of, and compile the Cypress Source Code and derivative works for the sole purpose of creating custom software and or firmware in support of licensee product to be used only in conjunction with a Cypress integrated circuit as specified in the applicable agreement. Any reproduction, modification, translation, compilation, or representation of this Source Code except as specified above is prohibited without the express written permission of Cypress.

Disclaimer: CYPRESS MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH REGARD TO THIS MATERIAL, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Cypress reserves the right to make changes without further notice to the materials described herein. Cypress does not assume any liability arising out of the application or use of any product or circuit described herein. Cypress does not authorize its products for use as critical components in life-support systems where a malfunction or failure may reasonably be expected to result in significant injury to the user. The inclusion of Cypress' product in a life-support systems application implies that the manufacturer assumes all risk of such use and in doing so indemnifies Cypress against all charges.

Use may be limited by and subject to the applicable Cypress software license agreement.

All trademarks or registered trademarks referenced herein are property of the respective corporations.