



Release Notes

CY4605 EZ-USB[®] HX2LP[™] Reference Design Kit

Version *A, Release Date: March 16, 2012

Thank you for your interest in the CY4605 EZ-USB[®] HX2LP[™] Reference Design Kit (RDK). This kit provides a reference board and documentation to evaluate, design, and manufacture low-power USB 2.0 hubs using the EZ-USB HX2LP hub controller family.

Overview

Cypress's CY4605 EZ-USB HX2LP RDK board is a tool to demonstrate the features of EZ-USB HX2LP (CY7C65620/CY7C65630). Both CY7C65620 and CY7C65630 are identical in every aspect except for the number of ports they support. The term HX2LP refers to both the chipsets unless stated explicitly. The EZ-USB HX2LP implements a fixed-function hub functionality between one upstream USB port and two or four downstream ports. The HX2LP RDK is based on the 56-pin QFN CY7C65620/CY7C65630. Both are single transaction translator (1TT) hubs. In the initial phase of the design, this board helps developers to understand the chip features and limitations before proceeding with a complete design. The RDK includes documents related to board hardware, PC application software, and the EEPROM configuration data (.iic) files.

System Requirements and Recommendations

Hardware/Operating System Requirements	Minimum	Recommended
Processor speed	1 GHz	2 GHz
RAM	1 GB	2 GB
Free hard drive space	800 MB	1 GB
Screen resolution	1024x768	1280x1024
CD/DVD drive	✓	✓
USB host controller (full-speed or high-speed)	✓	✓
Windows XP (SP2 or higher), Vista, or Windows 7	✓	✓
Software Prerequisites	Minimum	Recommended
Adobe Reader (for PDF documents)	6	9+
Microsoft Internet Explorer	7	Latest

Kit Contents

The CY4605 kit contains:

- CY4605 HX2LP 2-port hub DVK
- 5-V power supply
- USB A to B cable
- Kit CD/DVD with documentation and manufacturing utilities

Installation

To install, insert the kit CD/DVD into your PC's CD/DVD-ROM drive. If the installer does not start automatically, run *cyautorun.exe* in the root directory of the CD/DVD. Follow the installation instructions.



Updates

Go to <http://www.cypress.com/go/CY4605> for the latest documentation.

Documentation

Kit documents are located in `\Documentation` folder. The following documents are available:

- *CY4605 EZ-USB® HX2LP™ Reference Design Kit Quick Start Guide*
- *CY4605 EZ-USB® HX2LP™ Reference Design Kit User Guide*
- *CY7C656xx data sheet*
- *CY7C656xx chip errata*
- *Application Notes:*
 - *Bus-powered USB hub design using EZ-USB HX2LP(TM) - AN15454*
 - *Migrating from EZ-USB(R) HX2(TM) to EZ-USB HX2LP(TM) - AN5038*
 - *Single versus multiple transaction translator - AN1071*

Silicon Errata

Go to <http://www.cypress.com/?rID=14346> for the most up-to-date versions of the silicon errata.

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).



Cypress Semiconductor
198 Champion Court
San Jose, CA 95134-USA
Phone(USA): 800.858.1810
Phone (Intl): 408.943.2600
[http:// www.cypress.com](http://www.cypress.com)

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