Release Notes

CY3275 Low Voltage Powerline Communication Development Kit

Release Date: October 25, 2011

Thank you for your interest in the CY3275 Low Voltage Powerline Communication (PLC) Development Kit. This document lists kit contents, installation requirements, limitations, and known issues. It also provides links for updates, support, and additional information.

System Requirements and Recommendations

To evaluate this kit, a second low voltage PLC kit is required. The compatible kits are CY3275 (this kit) and CY3273 Low Voltage PLC Evaluation Kit. For information on these kits, go to http://www.cypress.com/go/CY3275 and http://www.cypress.com/go/CY3273.

The following requirements are necessary to run the PLC Control Panel GUI for evaluating the PLC kits or run the PSoC Designer™ development tool for developing a host application on the CY8CPLC20 device. If your computer does not have the minimum versions of .NET Framework and Windows Installer, the PLC Control Panel GUI installation automatically installs them.

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	1024×768	1280×1024
CD/DVD drive	✓	✓
USB	Full Speed	2.0 Hi-Speed
Windows XP (SP2 or higher), Vista, or Windows 7	✓	✓
Software Prerequisites	**Minimum**	**Recommended**
Microsoft Internet Explorer	7	
Adobe Reader (for PDF documents)	6	9+
Windows Installer	3.1	
.NET Framework	2.5	
PSoC Programmer	3.12	
PSoC Designer	5.1	

Kit Contents

The CY3275 Low Voltage Powerline Communication Development Kit includes:

- CY3275 quick start guide
- CY3275 PLC development board
- 5 CY8CPLC20-PVXI samples
- 12 V DC power adapter
- Daisy chain cable
- MiniProg1 to program CY8CPLC20
- 25 jumper wires
- LCD module

- USB-I2C bridge
- Retractable USB cable
- CD containing:
  - Packet test software – PLC Control Panel application
  - PLC Control Panel release notes
  - CY3275 release notes
  - CY8CPLC20 data sheet
  - CY3275 development kit user guide
  - Application note: AN54416 - Using CY8CPLC20 In Powerline Communication (PLC) Applications
  - CY3275 board Altium design project
  - CY3275 board schematics, layouts, and BOM
  - PSoC Designer
  - PSoC Programmer

Installation

To install the CD contents on to your hard drive, insert the kit CD into your PC's CD-ROM drive. If the installer does not start automatically, run *cyautorun.exe* in the root directory of the CD. In the installer window, click the "**Install CY3275 Low Voltage Kit…**" button and follow the installation instructions.

To install the PLC Control Panel GUI, in the installer window, click the "**Install PLC Control Panel GUI…**" button and follow the installation instructions.

Note If you have a previous installation of PSoC Designer, PSoC Programmer, or the PLC Control Panel GUI, uninstall it first. To uninstall the software, go to **Start > Control Panel > Add or Remove Programs** and click the **Remove** button adjacent to the particular software. Follow the instructions to uninstall.

Updates

Go to http://www.cypress.com/go/cy3275 for the latest software downloads and documents.

Limitations and Known Issues

The following table lists the known issues with the CY3275 Rev. ** board.

	Defect	Work Around
1.	On header J9, pin P12 is labeled incorrectly as P14; the label P12 is not adjacent to any pin.	The correct pin labels on header J9 should be P17, P16, P15, and P12.
2.	On the I2C and ISSP header, the silkscreen labels for the data (marked D) and clock (marked C) pins are swapped. However, the pins have the correct orientation to work with the MiniProg and CY3240 USB-I2C bridge.	If using these headers for probing, note that the "D" pin has the clock and the "C" pin has the data.

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).

Additional Information

- For more information on PLC (application notes, software, kits, and more), visit http://www.cypress.com/go/plc
- For more information about PSoC Designer functionality and releases, review the user guide and release notes on the PSoC Designer web page: http://www.cypress.com/go/psocdesigner
- For more information about PSoC Programmer, supported hardware, and COM layer, visit the PSoC Programmer web page: http://www.cypress.com/go/psocprogrammer
- For a list of trainings on PSoC Designer, visit http://www.cypress.com/?rID=40543

Cypress Semiconductor
198 Champion Court
San Jose, CA 95134-1709
Phone(USA): 800.858.1810
Phone (Intnl): 408.943.2600
http://www.cypress.com

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