



Release Notes

CY8CKIT-017 PSoC[®] CAN/LIN Expansion Board Kit

Release Date: October 3, 2012

Thank you for your interest in the CY8CKIT-017 PSoC[®] CAN/LIN Expansion Board Kit (EBK). This document lists installation requirements, software and hardware updates, limitations, and known issues with the kit.

Kit Revision

This document applies to the following kit and kit software versions.

- Kit Version: CY8CKIT-017 *A
- Kit Software Version: 2.0 Rev. *B

Hardware Requirements

Important: This expansion kit requires prerequisite hardware before use. Read this section carefully to ensure that all necessary hardware is available.

Hardware Prerequisites	Minimum	Recommended
CY8CKIT-001 PSoC Development Kit	CY8CKIT-001B **	
One of the following: <ul style="list-style-type: none"> • Second CY8CKIT-001 kit and second CY8CKIT-017 kit • Third-party CAN bus analyzer or emulator tool 	CY8CKIT-001B ** CY8CKIT-017 *A	
Third-party LIN bus analyzer	✓	
Male-to-male straight-through DB9 cable	✓	

Notes

- Male-to-male straight-through DB9 cable is required only if two CY8CKIT-001 DVKs and two CY8CKIT-017 EBKs are used.
- CY8CKIT-030 PSoC 3 DVK can be used instead of CY8CKIT-001. See the kit guide for details.

System Requirements and Recommendations

Hardware/Operating System Requirements	Minimum	Recommended
Processor speed	2 GHz	2 GHz Dual Core
RAM	2 GB	3 GB
Free hard drive space	1 GB	1 GB
Screen resolution	1024x768	1280x1024
CD/DVD drive	✓	✓
USB	Full Speed	2.0 Hi-Speed
Windows XP (SP2 or higher), Vista, or Windows 7	✓	✓



Software Prerequisites	Minimum	Recommended
PSoC Creator™	2.1 Build 607	2.1 Build 607 or later
Microsoft Internet Explorer	7	7
Adobe Reader (for viewing PDF Documentation)	7	7 or later
Windows Installer	3.1	
.NET Framework	2.0 SP1	
PSoC Programmer	3.15.2	3.15.2 or later
Keil Compiler	8.16	8.16 or later

Note To install and run PSoC Creator, you may need to install additional software. If these programs are not already installed, the Cypress Installer will guide you through the installation process.

Installation

To install, insert the kit CD/DVD into your computer'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.

You can also download and install kit contents from <http://www.cypress.com/go/CY8CKIT-017>.

Notes

- Go to <http://www.cypress.com/go/psocprogrammer> for the latest version of PSoC Programmer. If you have a previous installation of PSoC Creator, PSoC Programmer, or the CY8CKIT-017 CAN/LIN EBK, uninstall the same before reinstalling. 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.
- Do not plug in your MiniProg3 to the USB port of PC until all software installations are complete.

Updates

CAN code examples are updated with PSoC Creator 2.1 Build 607.

LIN code example is added.

Limitations and Known Issues

- This kit requires use of certain revisions of PSoC 3 processor modules. The required processor module revision is located in the following kits (or a later revision of the kits). To see if you have the correct kit, check the sticker on the back of the kit box. The sticker should have part numbers as follows:
CY8CKIT-001B ** (or later)
CY8CKIT-009A ** (or later)
- Because the EBK is a communication device, it is necessary to have other devices with which it can communicate. The kit has two options to allow CAN communication with other devices. The first option is to connect this EBK to a CAN analyzer tool. The other option is to connect the EBK to a second CY8CKIT-017 EBK, which is attached to a CY8CKIT-001 DVK.
- The LIN master component is not yet available with PSoC 3, a LIN analyzer is required to test the LIN code example.



Documentation

Kit documents are located in C:\Program Files\Cypress\CY8CKIT-017 CAN-LIN Expansion Board Kit\2.0\Documentation. The documents are also available on the PSoC Creator Start Page (after the kit is installed), at <http://www.cypress.com/go/CY8CKIT-017>, or on the CD/DVD included with this kit.

Refer to:

- CY8CKIT-017 Kit Guide.pdf
- CY8CKIT-017 Quick Start Guide.pdf

Release Notes for PSoC Creator or PSoC Programmer are located in their respective installation directories. After installing the PSoC Creator software, refer to the documentation as needed:

- PSoC Creator → Help → Documentation

The default location for PSoC Creator documents is:

C:\Program Files\Cypress\PSoC Creator\2.1\PSoC Creator\documentation

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 about PSoC Creator functionality and releases, visit the PSoC Creator web page: <http://www.cypress.com/go/psoccreator>
- For more information about PSoC Programmer, and supported hardware, visit the PSoC Programmer web page: <http://www.cypress.com/go/psocprogrammer>
- For a list of trainings on PSoC Creator, visit <http://www.cypress.com/?rID=40547>



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