CY4500 EZ-PD™ Protocol Analyzer Release Notes

Release Date: October 5, 2016

Thank you for your interest in the CY4500 EZ-PD™ Protocol Analyzer. This document lists the Analyzer contents, installation instructions, and the known limitations.

Analyzer Contents

The CY4500 EZ-PD Protocol Analyzer includes the following:

- CY4500 EZ-PD Protocol Analyzer Hardware enclosed in casing (1 no.)
- USB 2.0 Type-A to Micro-B Cable (1 no.)
- A set of Jumper Wires (6 nos.)
- Quick Start Guide (1 no.)

Installation

Installation instructions are provided in the CY4500 EZ-PD Protocol Analyzer Guide which can be downloaded from http://www.cypress.com/CY4500.

Kit Revision

This is the second release (Rev. *A) of the Analyzer. Following are the differences between the analyzer revision ** and *A:

- New hardware revision (Rev05)
  - Revision 5 hardware supports enabling of Type-C terminations (Ra, Rp & Rd) on the CC lines
- New features and enhancements in the EZ-PD Analyzer Utility
  - Support to enable Type-C terminations (Ra, Rp & Rd). Note that this feature will be functional only on CY4500 units which are based on Rev05 hardware. This feature can be invoked by clicking **Actions > CC Termination Settings…**
  - Ability to run multiple instances of EZ-PD Analyzer Utility on a given Windows system (PC/Laptop). PD packet capturing will be done only by one of the instances. The other instances can be used to open and view the previously captured PD packets which are saved in .ccgx format
  - Display of PD packet count on the status bar
  - Support to set the capture limit for the PD packets. The maximum number of PD packets which can be captured by the utility is 25000. The default capture limit is set to 15000. This feature can be invoked by clicking **Actions > Set Capture Limit…**
  - Support to select a particular PD packet to be displayed on the Main Panel of the GUI using the serial number of the PD packet. This feature can be invoked by clicking **Actions > Go To Line…**
  - Live display of VBUS Voltage and Current values
  - Ability to clear all the packet filters in one go (**Actions > Clear Filter(s)**)
  - Ability to filter the PD packets using the ‘Status’ field

- Single toggle button on the tool bar for ‘Start Capturing’ and ‘Stop Capturing’

- Bug Fixes in the EZ-PD Analyzer Utility

  - **Bug:** Firmware upgrade feature does not work after the Windows system (PC/Laptop) wakes up from sleep

    Status: This bug is fixed in EZ-PD Analyzer Utility from version 1.0.0.084 onwards

  - **Bug**: Firmware upgrade feature does not work on a freshly installed Windows System (Win 8 / Win 8.1/ Win 7/ Win 10)

    Status: Microsoft C++ Redistributable package is now included in the CY4500 kit installer to enable firmware upgrade on such systems

Limitations and Known Issues

- **Issue**: CY4500 EZ-PD Protocol Analyzer does not support decoding of USB PD 3.0 packets. It only decodes PD packets as per the USB PD Specification Revision 2.0, V1.2

  Workaround: None

  Fix plan: This issue will be fixed in the future releases of CY4500 EZ-PD Protocol Analyzer

Documentation

The following documents are available in *<Install Directory>\Cypress\CY4500 EZ-PD Protocol Analyzer\1.0\Documentation (*the *<Install Directory>* is *C:\Program Files\Cypress* for a 32-bit Operating System (OS) and *C:\Program Files (x86)\Cypress* for a 64-bit OS).

- CY4500 Kit Guide.pdf
- CY4500 Quick Start Guide.pdf
- CY4500 Release Notes.pdf

Technical Support

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

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