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EZ-PD Protocol Analyzer Utility Release Notes

Version 3.1.0, September 11, 2020

Thank you for your interest in EZ-PD™ Protocol Analyzer Utility 3.1.0. This document lists the installation requirements and installed contents in the latest version of the utility.

System Requirements and Recommendations

Hardware Requirements	**Minimum**	**Recommended**
Processor Speed	1 GHz	2 GHz
RAM	2 GB	4 GB
Free Hard Drive Spec	5 GB	10 GB
Screen Resolution	1024x768	1280x1024
USB	Full Speed	USB 2.0 (High Speed)
Operating System Requirements	**Minimum**	**Recommended**
Windows	Windows 7	Windows 10
macOS	Mojave (10.14)	Mojave (10.14) or higher
Linux	Ubuntu 18.04/ Fedora 31	Ubuntu 18.04 or higher/ Fedora 31 or higher
Software Pre-requisites	**Minimum**	**Recommended**
Adobe Reader (for PDF Documentation)	6	9+
Java Runtime Engine	1.8	1.8
.Net Framework	4.0	4.0

Installation in Windows

Download and install the latest version of the EZ-PD Protocol Analyzer Utility. By default, the utility is installed under *<Install Directory>\EZ-PD Protocol Analyzer Utility* directory.

Note: The default *<Install Directory>* is *C:\Users\{%USERPROFILE%}\Cypress*.

The utility can be invoked from Windows Start Menu > Cypress > EZ-PD Protocol Analyzer Utility.

Installation in macOS

Download the latest version of the EZ-PD Protocol Analyzer Utility. Open the extracted zip package to run EZ-PD Protocol Analyzer Utility 3.1.0.

Installation in Linux Distributions

Download the latest version of the EZ-PD Protocol Analyzer Utility. Extract the zip package and open a terminal inside the extracted directory.

Execute the following one-time commands:

```
export SWT_GTK3=0
chmod a+x CY4500_EZ_PD_Protocol_Analyzer_Utility
```

The EZ-PD Protocol Analyzer Utility 3.1.0 should be invoked in superuser mode.

Command:

```
sudo ./CY4500_EZ_PD_Protocol_Analyzer_Utility
```

Supported Kit

This version of EZ-PD Protocol Analyzer Utility works with CY4500 EZ-PD Protocol Analyzer from Cypress for capturing PD traffic.

Features of EZ-PD Protocol Analyzer Utility

1. Supports decoding for PD 2.0, PD 3.0, Extended messages and USB4 messages.
2. Supports Graphical interpretation of PD messages
3. Supports live display of CC and VBUS voltage and current
4. Allows Enable/Disable of Graphical data
5. Provides import option to import *.csv and *.xlsx files from previous version of the Analyzer Utility
6. Provides option to export traces to *.csv format
7. Provides Theme selection (Default-Black, Blue, and Gray)
8. Find Message: Go to specified PD-message line based on column value

Changes from 3.0 Build 15 to 3.1.0 Build 31

1. Fixed a data capture issue during reconnection of the target device to the CY4500 Analyzer hardware
2. Enhanced decoding of the Discover identity command to display DFP and UFP VDO
3. Updated USB4 message decoding
4. Updated decoding support for Display Port Alt mode
5. Fixed issues in Reset Perspective option from the Window menu
6. Enhanced the filtering functionality to display the values present in the captured data
7. Fixed RDO decoding issue
8. Fixed issues in Extended message decoding
9. Updated the Firmware Update tool

Limitations/Known Issues

1. Trigger feature is not supported in this release.
2. The maximum voltage measured on the CC lines is 3.3 V.

Documentation

The following documents are available in *<Install Directory>* (the *<Install Directory> is user extracted location*).

1. Documents/EZ-PD_Analyzer_UserGuide.pdf
2. ReleaseNotes.pdf

Technical Support

For assistance, go to www.cypress.com/support.

Additional Information

For more information about Cypress' USB Type-C Controller Solutions, visit https://www.cypress.com/products/usb-type-c-and-power-delivery.

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