EZ-PD™ Protocol Analyzer Utility release notes

Version 4.0.0

About this document

Scope and purpose

Thank you for your interest in EZ-PD™ Protocol Analyzer Utility 4.0.0. This document lists the installation requirements and describes the software updates and changes.

Intended audience

This document is intended for embedded developers debugging the EZ-PD™ CCGx, PMGx, PAGx, WLC, CMG, and BCR software development kits.

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1 System requirements and recommendations

Hardware requirements	Minimum	Recommended
Processor speed	1 GHz	2 GHz
RAM	2 GB	8 GB
Free hard drive specification	5 GB	10 GB
Screen resolution	1024x768	1280x1024
USB	Full-Speed	USB 2.0 (High-Speed)
Operating system requirements	**Minimum**	**Recommended**
Windows	Windows 10	Windows 10
macOS	Monterey (Version 12)	Ventura (Version 13)
Software prerequisites	**Minimum**	**Recommended**
Adobe Reader (for PDF documentation)	6	9+
.Net Framework (Windows only)	4.0	4.0

1.1 Supported kit

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

2　　　Tool information

2.1　　　Installation on 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:/Infineon/Tools.*

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

2.2　　　Installation on macOS

Download and install the latest version of the EZ-PD™ Protocol Analyzer Utility installer. The utility is installed under the *Applications/EZ-PD Protocol Analyzer Utility* directory.

The utility can be invoked by double-clicking the *EZ-PD Protocol Analyzer Utility* from the *Applications* directory.

2.3　　　Features of EZ-PD™ Protocol Analyzer Utility

1. Supports decoding for PD 2.0 v1.3, and PD 3.1 v1.7 messages.
2. Supports decoding for EPR messages.
3. Provides support for macOS version Monterey and Ventura.
4. Supports Graphical interpretation of PD messages.
5. Supports live display of CC and VBUS voltage and current.
6. Allows Enable/Disable of Graphical data.
7. Provides import option to import *.csv files exported from EZ-PD™ Analyzer Utility v3.0.0 onwards.
8. Provides import option to import *.xlsx files exported from EZ-PD™ Analyzer Utility v1.0.0.
9. Provides the option to export traces to *.csv format.
10. Searching for specified PD messages.

2.4　　　Version history

2.4.1　　　Changes from 3.1.0 build 31 to 4.0.0 build 69

1. Updated the decoding of the following messages.
    a) Discover Identity
    b) Source Capabilities
    c) Source_Info
    d) Source_Capabilities_Extended
    e) Sink_Capabilities_Extended
    f) EPR_Source_Capabilities
    g) Request
    h) EPR_Request
    i) EPR_Mode
2. Bundled AdoptOpenJDK JRE 17 with EZ-PD™ Protocol Analyzer Utility application.
3. Removed support on Linux systems.
4. Removed option to select theme.

5. Updated the utility logo and menu icons.

2.4.2 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 the 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.

2.5 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.
3. The CY4500 EZ-PD™ Protocol Analyzer kit can measure voltage up to 28 V only. A voltage greater than 28 V on VBUS can damage the CY4500 EZ-PD™ Protocol Analyzer kit.

2.6 Documentation

The following documents are available in the installed directory.

1. *Documentation/EZ-PD_Analyzer_UserGuide.pdf*.
2. *Documentation/ReleaseNotes.pdf*.

2.7 Technical support

For assistance, go to www.infineon.com/cms/en/about-infineon/company/contacts/support.

2.8 Additional information

For more information about Infineon USB Type-C controller solutions, visit www.infineon.com/cms/en/product/universal-serial-bus/usb-c-power-delivery-controllers.

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