EZ-PD™ configuration utility release notes

About this document

Scope and purpose

Thank you for your interest in EZ-PD™ configuration utility v1.3.7 release. This document lists the installation requirements and describes the software updates and changes.

Intended audience

This document is intended for embedded developers using EZ-PD™ CCGx power/host software development kits.

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1 Release contents

1.1 System requirements and recommendations

Hardware/operating system requirements	Minimum	Recommended
Processor speed	1 GHz	2 GHz
RAM	1 GB	2 GB
Free hard drive space	100 MB	1 GB
Screen resolution	1024 x 768	1280 x 1024
USB	Full Speed	2.0 Hi-Speed
Windows 7 or later	✓	✓

Software prerequisites	Minimum	Recommended
Adobe reader (for PDF documentation)	6	9+
Windows installer	3.1	
.NET Framework	2.0 SP1	
Microsoft Visual C++ Redistributable	2013	2015
USB-Serial vendor class drivers	1.2.3.11	1.2.3.14

2 Tool information

2.1 Installation

Download and install the latest version of the EZ-PD™ configuration utility installer from **https://www.cypress.com/ezpdutility**.

Uninstall any previous versions of the utility before installing the new version. To uninstall the software, go to **Start** > **Control Panel** > **Programs and Features** and uninstall EZ-PD configuration utility 1.3.

By default, the utility is installed under the *C:\Program Files(x86) \Cypress\EZ-PD Configuration Utility* folder.

2.2 Supported kits and devices

This version of the EZ-PD™ configuration utility has been tested with the following CCGx kits:

- CY4501: CCG1 development kit
- CY4502: EZ-PD™ CCG2 development kit
- CCG1, CCG2 and CCG3 based USB Type-C to DisplayPort adapter solutions
- CCG3PA, PAG1S, CCG3PA-N and CCG7D based power/automotive solutions
- CCG5, CCG5C, CCG6, CCG6DF, CCG6-SF and ACG1F based notebook solutions
- CY4541: CCG4 evaluation kit
- CY4531: CCG3 evaluation kit
- CCG3 based charge-through dongle (multi-port adapter) reference design
- CY4532: CCG3PA evaluation kit
- CMG1-based passive cable solutions

The utility will work with other hardware platforms, where the USB-Serial device is used as an USB to I2C bridge connecting to the CCGx controllers.

2.3 EZ-PD™ configuration utility 1.3.7 build 435 limitations

1. When one of the connected CMG1 MTKs is removed and the 'Refresh' option is exercised, the remaining connected CMG1 MTKs may not be detected occasionally. Click on the **Refresh** option again to detect the connected MTKs and fix this issue.
2. Display dongle batch programming is supported only for CCG1- and CCG2-based dongle designs. CCG3-based dongle designs should be programmed one at a time through the following options:

   a) Tools > Firmware Update

   b) Tools > Configure Device

2.4 Changes from EZ-PD™ configuration utility 1.3.6 build 424 to 1.3.7 build 435

1. Added the USB3 and USB4 data role fields in AMD configuration table.
2. Added the HPD IRQ ack clear method field in ICL/TGL configuration table.
3. Made changes to add null termination character to manufacturer string in configuration table.

2.5 Changes from EZ-PD™ configuration utility 1.3.5 build 419 to 1.3.6 build 424

1. Added support for CYPD6228-96BZXI, CCG6DF part.
2. Added support for CYPD6128-48LQXI, CCG6SF part.
3. Updated AMD platform types in the AMD configuration.
4. Added validation for configuration and firmware CYACD files before programming the device.

2.6 Changes from EZ-PD™ configuration utility 1.3.4 build 400 to 1.3.5 build 419

1. Added the 'EPR mode capable' field in active and passive cable VDOs according to PD specification revision 3.1, version 1.0RC2.
2. Moved the BCR power sink application from CCG3PA to the newly added device type BCR.
3. Added fractional input value support for total system power field in automotive configuration table.
4. Updated UFP VDO according to PD specification revision 3.1, version 1.0RC2.

2.7 Changes from EZ-PD™ configuration utility 1.3.3 build 380 to 1.3.4 build 400

1. Added the 'Sort PDOs' option in Tools > Options menu.
2. Added power adapter application support for CCG7D.
3. Added support for the CYPD7271-68LQXQ CCG7D part.
4. Updated the SCEDB configuration according to the PD specification.
5. Updated power settings and charging configuration for CCG7D and CCG3PA applications.
6. Added base alternate mode support for CCG4 applications.

2.8 Changes from EZ-PD™ configuration utility 1.3.2 build 364 to 1.3.3 build 380

1. Added BCR power sink application support to CCG3PA.
   a) Added BCR configuration for BCR power sink application.
   b) Added support for the CYPD3176-24LQXQ CCG3PA part.
2. Added the 'Connector Type' parameter to ID Header VDO, UFP VDO 1, and DFP VDO according to the PD specification.

2.9 Changes from EZ-PD™ configuration utility 1.3.1 build 340 to 1.3.2 build 364

1. Added support for the following CCG3PA-N parts:
   a) CYPD3172P-24LQXQ power adapter application
   b) CYPD3173P-24LQXQ power adapter application
   c) CYPD3172-24LQXQ power adapter application
   d) CYPD3173-24LQXQ power adapter application
2. Added support for the following PAG1S parts:
   a) CYPAS121-24LQXQ power adapter SSC application
   b) CYPAS131-24LQXQ power adapter SSC application
3. Added support for the following CCG7D parts:

a) CYPD7291-68LDXS head unit, RSC, and RSE applications
b) CYPD7299-68LDXS head unit, RSC, and RSE applications

4. Added USB4 configuration support for CCG2 and CMG1 cables.
5. Updated power settings, SVID configuration, OTP protection, and Type-A power settings for CCG3PA power applications.
6. Updated power settings for the PAG1S power adapter SSC application.
7. Updated the VBUS current handling parameter for PD 3.0 CMG1 cable.

2.10 Changes from EZ-PD™ configuration utility 1.3.0 build 315 to 1.3.1 build 340

1. Added support for hybrid architecture solutions.
2. Updated the ICL/TGL configuration table.

2.11 Changes from EZ-PD™ configuration utility 1.2.1 build 292 to 1.3.0 build 315

1. Added support for the following parts:
   a) CYPD6227-96BZXI notebook application
   b) CYPD6127-96BZXI notebook application
   c) CYPD6128-96BZXI notebook application
   d) CYPD6127-48LQXI notebook application
2. Added support for the following host SDK 3.4 configuration in CCG5, CCG5C, CCG6, CCG6DF, and CCG6SF notebook applications:
   a) Added sink capabilities extended data block (SKEDB) configurations.
   b) Added alternate mode configurations.
   c) Added custom host configurations.
   d) Added Ice Lake and Tiger Lake configurations.
   e) Updated Thunderbolt host configurations.
   f) Added discover identity response product type VDOs: UFP VDO 1, UFP VDO 2, and DFP VDO.

2.12 Documentation

See the Help Menu for links to the user manual in PDF format, and interactive Windows Help. Press F1 to get context-sensitive Help.

2.13 Technical support

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

2.14 Additional information

- For more information on EZ-PD™ configuration utility, visit the web page: **www.cypress.com/documentation/software-and-drivers/ez-pd-configuration-utility**

For more information on USB Type-C controller solutions, visit **www.cypress.com/Type-C**

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