

EZ-PD™ Configuration Utility Release Notes

About this document

Scope and purpose

Thank you for your interest in EZ-PD™ Configuration Utility v1.3.3. This document lists the installation requirements and describes the software updates and changes.

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Release Contents**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	
Cypress USB-Serial Vendor Class Drivers	1.2.3.11	1.2.3.14

Tool Information

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>.

Please uninstall any previous versions of the Utility before installing the new version. To uninstall the software, use Cypress Update Manager or 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 from Cypress:

- 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 solutions
- CCG5, CCG5C, CCG6, CCG6DF, CCG6SF 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 Cypress USB-Serial device is used as an USB to I2C bridge connecting to the CCGx controllers.

2.3 EZ-PD™ Configuration Utility 1.3.3 Build 380 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 for second time to detect the connected MTKs and fix this issue.
2. Display Dongle Batch Programming is only supported 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 1.3.2 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 CYPD3176-24LQXQ CCG3PA part.
2. Added Connector Type parameter to ID Header VDO, UFP VDO 1 and DFP VDO according to PD Specification.

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2.5 Changes from EZ-PD™ Configuration Utility 1.3.1 Build 340 to 1.3.2 Build 364

1. Added support for 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 following PAG1S parts:
 - a) CYPAS121-24LQXQ Power Adapter SSC application
 - b) CYPAS131-24LQXQ Power Adapter SSC application
3. Added support for following CCG7D parts:
 - a) CYPD7291-68LDXS Head Unit, RSC and RSE applications
 - b) CYPD7299-68LDXS Head Unit, RSC and RSE applications
4. Added USB4 configurations support for CCG2 and CMG1 cables.
5. Updated Power settings, SVID configurations, OTP protection and Type A power settings for CCG3PA Power applications.
6. Updated Power settings for PAG1S Power Adapter SSC application.
7. Updated VBUS current handling parameter for PD 3.0 CMG1 cable.

2.6 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 ICL/TGL configuration table.

2.7 Changes from EZ-PD™ Configuration Utility 1.2.1 Build 292 to 1.3.0 Build 315

1. Added support for 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 following Host SDK 3.4 configurations 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.

2.8 Changes from EZ-PD™ Configuration Utility 1.2 Build 287 to 1.2.1 Build 292

Enabled Preferred DP Mode configuration parameter for CCG4 monitor application.

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2.9 Changes from EZ-PD™ Configuration Utility 1.1 Build 276 to 1.2 Build 287

Enabled RSense configuration parameter for Power applications.

2.10 Changes from EZ-PD™ Configuration Utility 1.1 Beta Build 267 to Build 276

1. Added support for the following parts:
 - a) ACG1F CYAC1126-40LQXI Notebook application
 - b) ACG1F CYAC1126-24LQXI Notebook application
2. Enhanced PAGIS configuration table.

2.11 Changes from EZ-PD™ Configuration Utility 1.1 Beta Build 236 to Build 258

1. Added support for the following parts:
 - a) CYPD3195-24LQXS Head Unit application
 - b) CYPD6126-96BZXI Notebook application
 - c) CYPD2121-24LQXI Monitor application
 - d) CYPD2125-24LQXI Notebook application
 - e) CYPD3126-42FNXI Generic application
2. Enabled OTP support for CCG6 Notebook applications.
3. Added PSD product type for UFP application.

2.12 Changes from EZ-PD™ Configuration Utility 1.1 Beta Build 210 to Build 236

1. Added support for the following Notebook parts:
 - a) CYPD3126-42FNXIT part
 - b) CYPD5126-40LQXI part
 - c) CYPD6125-40LQXI part
2. Added configuration parameters for Thunderbolt Host applications.
3. Fixed backward compatibility issues with CCG3 power adapter configuration XML.

2.13 Changes from EZ-PD™ Configuration Utility 1.1 Beta Build 194 to Build 210

1. Added support for CCG6 and CCG5C family parts.
2. Fixed defect in the USB Serial Firmware Download Tool.
3. Fixed defects in the CMG1 MTK to detect CMG1 cables in different orientations.
4. Updated the CCG2 Generic application configuration parameters.

2.14 Changes from EZ-PD™ Configuration Utility 1.1 Beta Build 188 to Build 194

1. Added support to download firmware to USB Serial in CY4532 Kit. The improved USB serial firmware will reduce firmware download time over the CC line.
2. Defect fixed in the CMG1 configuration, where the manufacturing string in PD v3.0 was not getting updated.

Tool Information

3. Active cable VDO configuration parameter has been added to address the Active Cable status USB Power Delivery ECN.

2.15 Changes from EZ-PD™ Configuration Utility 1.1 Beta Build 175 to Build 188

1. Added support for CYPD2704-9FNXIT CMG1 part.
2. Defect fixed in the firmware update mechanism for CMG1 MTK while using bootloader mode.
3. Added the Hub as product type for UFP and DFP in Device IDs options.
4. Updated the PD 3.0 options for CMG1.

2.16 Changes from EZ-PD™ Configuration Utility 1.1 Beta Build 162 to Build 175

1. Added CMG1 MTK functionality.
2. Added HX3PD and CMG1 configuration support.
3. Added support for CYPD3174-24LQXQ power adapter.
4. Updated the utility to read and configure unsupported CCGx devices.

2.17 Changes from EZ-PD™ Configuration Utility 1.1 Beta Build 151 to Build 162

1. CCG2 auto application support.
2. Updated the product type for CCG2 EMCA.
3. Added power profile options in Type A configuration for CCG3PA.
4. Added EC init period parameter in Port Information for CCG2 Notebook.

2.18 Changes from EZ-PD™ Configuration Utility 1.1 Beta Build 119 to Build 151

1. Added support for CCGPA, CCG3PA2 and CCG5 family parts.
2. Added support for reading configuration from firmware file (*.hex and *.cyacd).
3. Added support for saving configuration to firmware file (*.hex and *.cyacd).
4. Removed 'Firmware & Configuration Flashing' option from 'Configure Device' dialog. The replacement for this feature is 'Save to firmware file' option from File menu. User can update configurations in firmware file using 'Save to firmware file' option and then use updated firmware file to update firmware on the device.
5. Added following new settings in options dialog.
 - a) Allow multiple PDO's of same voltage
 - b) UFP restart timeout
 - c) Template for output '.c' configuration file

2.19 Changes from EZ-PD™ Configuration Utility 1.0 Beta Build 100 to 1.1 Build 119

Repackaged contents of EZ-PD Configuration Utility 1.0 Build 100 with new Cypress icons.

Tool Information

2.20 Changes from EZ-PD™ Configuration Utility 1.00 Beta Build 91 to Build 100

1. Added support for configuration read and update of PD 3.0 enabled designs. This includes updates to some of the configuration nodes in each application.
2. Added support for the CYPD3123-40LQXI part implementing a Dongle solution.
3. Added support for programming downstream CCG2 devices connected as an HPI slave to CCG3 devices with USB flashing support enabled. This functionality is used to program the downstream CCG2 device in the Charge-Through Dongle design.

2.21 Changes from EZ-PD™ Configuration Utility 1.00 Beta Build 90 to Build 91

Added support for parts CYPD4226-40LQXI, CYPD4126-40LQXI, CYPD4236-40LQXI, CYPD4136-40LQXI.

2.22 Changes from EZ-PD™ Configuration Utility 1.00 Beta Build 77 to Build 90

1. Added support for firmware update, configuration and batch programming for CCG3 based EMCA designs.
2. Added support for firmware update and configuration of CCG3 display Dongle through the USB Billboard interface.
3. Supports loading configuration data from CYACD files.

2.23 Changes from EZ-PD™ Configuration Utility 0.98 Beta to 1.00 Beta

1. Added support for firmware update and configuration of CCG3 devices on the CY4531 kit.
2. Added support for updating both copies of the CCG3/CCG4 Notebook firmware by switching to boot-loader mode. Please note that using the option will cause the device to disable all USB-PD ports and go through a reset.
3. Added support for configuration read and update of CCG4 devices. Different options are supported for flexible usage in case of dual firmware applications.
4. When creating new configuration, the device list is categorized by device family. So only supported applications (device types) for each product family can be selected.
5. Modified the tree view of connected device to display the multi-port devices and its branches.
6. Reorganized the device parameter views in the configuration tab to support CCG4 devices that have multiple USB-PD ports. Configuration of all port specific parameters need to be done separately for each USB-PD port.
7. Added support for generating a C source file that contains the configuration data in a form that can be imported into a CCGx SDK firmware project file.
8. Added options to set custom HPI slave addresses.

2.24 Changes from EZ-PD™ Configuration Utility 0.96.1 Beta to 0.98 Beta

1. Added firmware update support for CCG4 devices.
2. Added support for Notebook Type-C port controller and Power Adapter solutions using CCG1 and CCG2 device families.
3. Added dongle batch programming capability.

Tool Information

2.25 Changes from EZ-PD™ Configuration Utility 0.96 Beta to 0.96.1 Beta

1. Updated the firmware version reporting for Type-C to DisplayPort dongles to work with dongle firmware releases later than version 10. This is done to match a change in the way the dongles are reporting their firmware version.
2. Fixed a defect that caused the utility to report the version of the backup firmware on CCG2 EMCA cables (CY4502) instead of the active firmware version. The new build will report the correct version of the firmware, running on the CCG2 part.
3. Fixed the list of supported parts for the Type-C to DisplayPort dongles to show CYPD1120-40LQXI instead of CYPD1120-40FNXI.

2.26 Documentation

The Help Menu of the Utility has links for the User Manual in PDF format, as well as the interactive Windows help document. Sections of the Windows help corresponding to the active screen or operation can be made visible by pressing the <F1> key.

Tool Information

2.27 Technical Support

For assistance, go to www.cypress.com/support or contact our customer support at +1 (800) 541-4736 Ext. 3 (in the USA), or +1 (408) 943-2600 Ext. 3 (International).

2.28 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 Cypress' USB Type-C Controller Solutions, visit www.cypress.com/Type-C

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Edition 2020-12-04

Published by

Infineon Technologies AG

81726 Munich, Germany

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Document reference

002-22142 Rev. *P

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