Cypress Programmer Release Notes

Version 2.1

Thank you for your interest in Cypress Programmer. This document lists the installation requirements, software and hardware updates, limitations, and known issues with the tool.

Product Description

Cypress Programmer is a flexible, integrated application to allow programming Cypress devices. It can perform Program, Erase, Verify, and Read operations on the flash of the target device.

Cypress Programmer is a command-line tool. It is based on OpenOCD v0.10.0 software with several Cypress enhancements. This release delivers the following:

- Cypress OpenOCD 1.0: provides debugging and in-system programming functionality for target devices in Cypress Programmer.

Supported Operating Systems

- Windows 7 (x86)
- Windows 8.1 (x64)
- Windows 10 (x64)

Supported Product Families

- Traveo II CYT2BGx
- Traveo II CYT2B7x
- Traveo II CYT2B9x
- Traveo II CYT2BJx
- Traveo II CYT4BFx

Supported Programming Hardware

- SEGGER J-Link probe
- MiniProg4 stand-alone programmer/debugger

Installation

Use the exe installer.

Known Problems and Solutions

The following problems are known in this release:

Defect ID	Defect Description	Impact / Workaround
CYP-15	Not able to detect KitProg3/MiniProg4 probe when the OpenOCD process has been killed previously. Killing OpenOCD process leaves KP3/MP4 in unpredictable/invalid state.	KitProg3/MiniProg4 must be unplugged from USB port and plugged back in to restore normal operation.

Defect ID	Defect Description	Impact / Workaround
CYP-157	Unable to access Traveo II device via JTAG if Debug Access Port has been switched to SWD mode previously.	Hardware Reset or power cycle is required in order to switch the Debug Access Port back to JTAG mode.
CYP-432	Debugger connection is unstable when SWD/JTAG clock is higher than 2 MHz on CYT4BFx silicon.	Use SWD/JTAG clock 1.5MHz.

Known Limitations:

Limitation ID	Description
CDT-323970	HyperBus and QSPI external memory are not supported
CYP-437	MiniProg4 probe in BULK mode has poor performance for CYT2B9x, CYT2BJx, CYT4BFx silicons on Windows 7.
KP-15	KitProg3 WinUSB driver for CMSIS-DAP bulk device is bound as 'HP Printer (BIDI)' on Windows 7 OS with internet connection: - If Windows 7 machine is not connected to internet, then this issue is not seen. - This issue is not seen on Windows 10 machine This is a Microsoft known issue which should be fixed in Windows Update. Workaround: If the HP Printer (BIDI) driver is already installed by the device manager, then do the following: o Uninstall the driver from device manager o Disconnect internet on the machine o Rescan the device in device manager

Documentation and links

Original OpenOCD sources v0.10.0:

https://sourceforge.net/projects/openocd/files/openocd/0.10.0/

OpenOCD v0.10.0 release notes:

http://openocd.org/2017/01/openocd-0-10-0-release-is-out/

OpenOCD v0.10.0 user guide:

http://openocd.org/doc-release/pdf/openocd.pdf

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