

Please note that Cypress is an Infineon Technologies Company.

The document following this cover page is marked as “Cypress” document as this is the company that originally developed the product. Please note that Infineon will continue to offer the product to new and existing customers as part of the Infineon product portfolio.

Continuity of document content

The fact that Infineon offers the following product as part of the Infineon product portfolio does not lead to any changes to this document. Future revisions will occur when appropriate, and any changes will be set out on the document history page.

Continuity of ordering part numbers

Infineon continues to support existing part numbers. Please continue to use the ordering part numbers listed in the datasheet for ordering.



Cypress Auto Flash Utility Release Notes

Alpha Version 1.1

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

Product Description

Cypress Auto Flash Utility is a stand-alone flash programmer tool which supports Cypress Traveo II MCUs and provides programming functionality via MiniProg4 and J-Link probes. This tool is based on OpenOCD open source.

Cypress Auto Flash Utility 1.1 release delivers:

- Support of new CYT3BB, CYT4BB devices
- Support of two latest revisions of existing Traveo II MCU devices. Details are below in Supported Products

Supported Operating Systems

- Windows 10 (x64 / x86)

Supported Products

The following Traveo II MCUs are supported by Cypress Auto Flash Utility 1.1:

Traveo II Series	Revision
CYT2B6	C, D
CYT2B7	
CYT2B9	B, C
CYT4BF	C, D
CYT4DN	
CYT3BB	A
CYT4BB	A

Supported Programming Hardware

- SEGGER J-Link probe
- MiniProg4 probe

Installation

Minimum and Recommended Requirements:

Hardware/Operation System Requirements	Minimum	Recommended
USB	Full Speed	2.0 Hi-Speed
Windows 10	✓	✓
Software Prerequisites	Minimum	Recommended
Microsoft Internet Explorer	7	
Adobe Reader (for viewing PDF Documentation)	6	9+

Known Problems and Solutions

The following problems are known in this release:

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

Known Limitations:

Limitation ID	Description
AUTOCYP-115	MiniProg4 probe do not work with Traveo II devices via JTAG due to limitations of MiniProg4 probe
N/A	Programming of the following devices is not guaranteed in this release of Cypress Auto Flash Utility and customers who wish to work with these devices should use Cypress Auto Flash Utility 1.0: <ul style="list-style-type: none"> • CYT2B6, CYT2B7 Revision B • CYT2B9 Revision A • CYT4BF Revision A, B

Further Reading Documentation

Documentation is available in the Cypress Auto Flash Utility root directory and under **docs**. The documents include:

- Cypress Auto Flash Utility User Guide

Useful 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>



Cypress Semiconductor
An Infineon Technologies Company
198 Champion Ct.
San Jose, CA 95134-1709 USA
Application Support Hotline: 425.787.4814
www.infineon.com
www.cypress.com

© Cypress Semiconductor Corporation, 2020. This document is the property of Cypress Semiconductor Corporation and its subsidiaries ("Cypress"). This document, including any software or firmware included or referenced in this document ("Software"), is owned by Cypress under the intellectual property laws and treaties of the United States and other countries worldwide. Cypress reserves all rights under such laws and treaties and does not, except as specifically stated in this paragraph, grant any license under its patents, copyrights, trademarks, or other intellectual property rights. If the Software is not accompanied by a license agreement and you do not otherwise have a written agreement with Cypress governing the use of the Software, then Cypress hereby grants you a personal, non-exclusive, nontransferable license (without the right to sublicense) (1) under its copyright rights in the Software (a) for Software provided in source code form, to modify and reproduce the Software solely for use with Cypress hardware products, only internally within your organization, and (b) to distribute the Software in binary code form externally to end users (either directly or indirectly through resellers and distributors), solely for use on Cypress hardware product units, and (2) under those claims of Cypress's patents that are infringed by the Software (as provided by Cypress, unmodified) to make, use, distribute, and import the Software solely for use with Cypress hardware products. Any other use, reproduction, modification, translation, or compilation of the Software is prohibited.

TO THE EXTENT PERMITTED BY APPLICABLE LAW, CYPRESS MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH REGARD TO THIS DOCUMENT OR ANY SOFTWARE OR ACCOMPANYING HARDWARE, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. No computing device can be absolutely secure. Therefore, despite security measures implemented in Cypress hardware or software products, Cypress shall have no liability arising out of any security breach, such as unauthorized access to or use of a Cypress product. CYPRESS DOES NOT REPRESENT, WARRANT, OR GUARANTEE THAT CYPRESS PRODUCTS, OR SYSTEMS CREATED USING CYPRESS PRODUCTS, WILL BE FREE FROM CORRUPTION, ATTACK, VIRUSES, INTERFERENCE, HACKING, DATA LOSS OR THEFT, OR OTHER SECURITY INTRUSION (collectively, "Security Breach"). Cypress disclaims any liability relating to any Security Breach, and you shall and hereby do release Cypress from any claim, damage, or other liability arising from any Security Breach. In addition, the products described in these materials may contain design defects or errors known as errata which may cause the product to deviate from published specifications. To the extent permitted by applicable law, Cypress reserves the right to make changes to this document without further notice. Cypress does not assume any liability arising out of the application or use of any product or circuit described in this document. Any information provided in this document, including any sample design information or programming code, is provided only for reference purposes. It is the responsibility of the user of this document to properly design, program, and test the functionality and safety of any application made of this information and any resulting product. "High-Risk Device" means any device or system whose failure could cause personal injury, death, or property damage. Examples of High-Risk Devices are weapons, nuclear installations, surgical implants, and other medical devices. "Critical Component" means any component of a High-Risk Device whose failure to perform can be reasonably expected to cause, directly or indirectly, the failure of the High-Risk Device, or to affect its safety or effectiveness. Cypress is not liable, in whole or in part, and you shall and hereby do release Cypress from any claim, damage, or other liability arising from any use of a Cypress product as a Critical Component in a High-Risk Device. You shall indemnify and hold Cypress, its directors, officers, employees, agents, affiliates, distributors, and assigns harmless from and against all claims, costs, damages, and expenses, arising out of any claim, including claims for product liability, personal injury or death, or property damage arising from any use of a Cypress product as a Critical Component in a High-Risk Device. Cypress products are not intended or authorized for use as a Critical Component in any High-Risk Device except to the limited extent that (i) Cypress's published data sheet for the product explicitly states Cypress has qualified the product for use in a specific High-Risk Device, or (ii) Cypress has given you advance written authorization to use the product as a Critical Component in the specific High-Risk Device and you have signed a separate indemnification agreement.

Cypress, the Cypress logo, Spansion, the Spansion logo, and combinations thereof, WICED, PSoC, CapSense, EZ-USB, F-RAM, and Traveo are trademarks or registered trademarks of Cypress in the United States and other countries. For a more complete list of Cypress trademarks, visit cypress.com. Other names and brands may be claimed as property of their respective owners.