



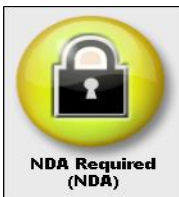
Aptio ChangeLogo 5.03 Release Notes

Aptio ChangeLogo 5.03 Release Notes

Document Revision 1.02

Document Owner: Utility Group

September 15, 2016



Confidential NDA Required
Copyright ©2016

American Megatrends, Inc.
5555 Oakbrook Parkway,
Suite 200,
Norcross, Georgia 30093, U.S.A.

All Rights Reserved
Property of American Megatrends, Inc.

Legal

Disclaimer

This publication contains proprietary information which is protected by copyright. No part of this publication may be reproduced, transcribed, stored in a retrieval system, translated into any language or computer language, or transmitted in any form whatsoever without the prior written consent of the publisher, American Megatrends, Inc. American Megatrends, Inc. retains the right to update, change, modify this publication at any time, without notice.

For Additional Information

Call American Megatrends, Inc. at 1-800-828-9264 for additional information.

Limitations of Liability

In no event shall American Megatrends be held liable for any loss, expenses, or damages of any kind whatsoever, whether direct, indirect, incidental, or consequential, arising from the design or use of this product or the support materials provided with the product.

Limited Warranty

No warranties are made, either expressed or implied, with regard to the contents of this work, its merchantability, or fitness for a particular use. American Megatrends assumes no responsibility for errors and omissions or for the uses made of the material contained herein or reader decisions based on such use.

Trademark and Copyright Acknowledgments

Copyright © 2016 American Megatrends, Inc. All Rights Reserved.

American Megatrends, Inc.

5555 Oakbrook Parkway

Suite 200

Norcross, GA 30093 (USA)

All product names used in this publication are for identification purposes only and are trademarks of their respective companies.

Document Change History

| Date | Version | Description |
|-----------|---------|--|
| 6/15/2016 | 1.00 | Initial release |
| 9/12/2016 | 1.01 | Updated for ChangeLogo release 5.03.0023 |
| 9/15/2016 | 1.02 | Updated for ChangeLogo release 5.03.0024 |
| | | |
| | | |
| | | |
| | | |

Release

- Version 5.03.0024 09/15/2016

Deliverables

- AMI_Aptio_5.x_ChangeLogo_User_Guide_NDA.pdf
- AMI_Aptio_ChangeLogo_Release_Notes_NDA.pdf
- ChangeLogoWin64

Features

This list of features is supported.

- Extract a Splash Logo
- Replace a Splash Logo
- Extract a Small Logo
- Replace a Small Logo
- Extract and replace logos in hole (fixed) files
- Modifies the F/w Image without requiring rebuild.
- User Friendly Graphical Interface
- Support Capsule files
- Supports LZMA
- Single executable
- Operation from command line
- Insert Logo (command line only)
- Delete Logo (command line only)
- Additional splash logos stored in freeform subtype GUID sections.
- BIOS logo capability check
- JPEG compatibility checking
- PNG image support
- Logos in volumes within hole files
- Supports APTIO V.
- Block execution on non Aptio V ROM images
- Support for BIOS with FIT.
- Support to update unsigned area without invalidating signature
- Support to verify logo change.
- Multi-Platform ROM Support

Supported Operating Systems

Change Logo is supported by the following operating systems:

- * Microsoft® Windows® 2000
- * Microsoft® Windows® XP
- * Microsoft® Windows® 2003
- * Microsoft® Windows® Vista
- * Microsoft® Windows® 7
- * Microsoft® Windows® 8.1
- * Microsoft® Windows® Server 2008 R2
- * Microsoft® Windows® Server 2012 R2

Compatibility

- Compatible with the FFS Spec (PI specification 0.9 and 1.2)
- Compatible with APTIO V.
- Compatible with the top-down allocation, optimize size and ignore compression features of FWBuild version 1.16.0016 and later.
- Compatible with the Capsule Spec (Capsule_0-9.pdf) with the following limitations:
 - Nested volumes in the capsule file will not be rebased nor will they receive VTF processing.
 - Volumes at top level (new Intel format) will not be rebased properly unless they contain a VTF. Rebasing will be completely suppressed if the file has a .cap extension or if the GUI user selects the .cap filter from the file load drop-down.
- Compatible with images created using Optimize-size, PEI-relocation, Auto-size, and ESEC library options.

BIOS Requirements

- To support the verify logo change feature, logo FFS file should contain logo filename in a section of type EFI_SECTION_USER_INTERFACE. To create images with logo filename, follow below steps:
 - 1. To add UI section for Standard splash logo**
 - Add token LOGO_UI_FILE_NAME to board flavor component SDL file as follows:

```
TOKEN
Name = "LOGO_UI_FILE_NAME"
Value = "Logo.bmp"
      TokenType = Expression
      TargetMAK = Yes
      TargetFDF = Yes

End
```
 - Note:** The token value specified will be added in the UI section in logo FFS file. Typically the name of the logo file.
 - Make Logoffs.txt in 'TSE Binary' module private.
 - Include the changes in modified version of 'Logoffs.txt' in EIP 202906 attachment 'Add_UI_Section_Changes.zip' in the private version of the file.
 - Build the project with the above changes.

2. To add UI section for OEM splash logos

- Add module OemMultiLogo to project from the below Aptio V SVN database location:

```
"SS:AptioV;$/AptioV/Source/Modules/OemMultiLogo/"
```
- Configure multiple OEM logos in the module.
- Make OemMultiLogo.gawk in OemMultiLogo module private.
- Include the changes in modified version of OemMultiLogo.gawk in EIP 202906 attachment 'Add_UI_Section_Changes.zip' to the private version of the file.
- Build the project with the above changes.

Command Line Options

The usage is documented in AMI_Aptio_5.x_ChangeLogo_Guide_NDA.pdf

Limitations

- The user may insert any logo image as desired; however, the logo image must be compatible with the capabilities of the firmware itself. Check the release notes for the firmware to determine whether a logo image is compatible. ChangeLogo can check the logo display capability of suitably configured BIOS.
- This utility cannot rebase or perform VTF processing on capsule files with the exception of AMI format capsules.

Version History

Version 5.03.0024 09/15/2016

Issues Fixed

1. EIP 291389 - [REF-48371] ChangeLogo /temp switch is not working properly in ChangeLogoLnx64, also blank Test.txt file getting created in the temp location.

Version 5.03.0023 09/12/2016

Issues Fixed

2. EIP 273043 - Eta Command Line Version does'nt support for Test for Fit for MultiPlatform Image.
3. EIP 273937 - [REF-27113] Displayed table alignment for listing logo without UI section can be improved.
4. EIP 289905 – In ChangeLogo Test for fit with /p switch not providing warning message compared to GUI Version.

New Features

1. EIP 277639 - Changelogo should use the command line option provided by user for creating temporary files.

Version 5.03.0020

06/15/2016

- Initial release