Flashtool Release Note

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| Programmer | Zhang.Jing-qiu |
| Software Name | Flashtool |
| Software Version | 0.0.36 |
| Release Date | 2020-9-1 |

**Software Description:**

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| File Name | Md5sum | Description/Usage |
| Flashtool64Bit | 317e258058cf735631d39df94da3dc32 | Firmware update tool that run in Linux 64bit |
| Flashtool32Bit | f4b93631a069b48e6afbda1677cf6c3c | Firmware update tool that run in Linux 32bit |

**Supported devices list:**

Please refer to FLASHTOOL\_summary.xlsx

**Usage:**

Update Firmware:

Flashtool –H <BMC IP> -U <Username> -P <Password> -p <Project name> -t <Device type> -m <Model name(only use in PSU)> -i <Device index> -f <Firmware filename>

Get Firmware version:

Flashtool –H <BMC IP> -U <Username> -P <Password> -p <Project name> -t <Device type> -m <Model name(only use in PSU)> -i <Device index> -v

**Example:**

(Nidoking PSU R18-800P1VA) ./FlashTool64Bit -H xxx -U xxx -P xxx -p Nidoking -t psu –m R18-800P1VA -i 1 -f xxx.hex

(Sheildon PSU GW-CRPS800N2A) ./FlashTool64Bit -H xxx -U xxx -P xxx -p Sheildon -t psu –m GW-CRPS800N2A -i 1 -f xxx.hex

(Fearow CPLD) ./FlashTool64Bit -H xxx -U xxx -P xxx -p Fearow -t cpld -i 1 -f xxx.jed

**Known Issues:**

1. Machamp PSU DPS-1300AB-23B fw update sometimes failed with checksum error returned from PSU.

**Option:**

-h This help

-v get device version

-V get Flashtool version

-I intf Interface to use. e.g. open, lan, lanplus

-H hostname Remote host name for LAN interface

-U username Remote session username

-P password Remote session password

-f file Firmware file to update

-p project Sepcify project name

-t type Set device type PIC, CM4, PSU, CPLD, EXP\_FW, EXP\_CFG

-i index Specify which device needs to be updated, 1-device1, 2-device2, ...

-m model Model name for PSU

-k hitless CPLD hitless, 0-don't use hitless, 1-use hitless, default use hitless;

-u updatemode CPLD update mode, 0-transparent mode, 1-offline mode, default transparent mode

-B i2c\_bus Can use this option to set i2c bus;

-S i2c\_addr Can use this option to set i2c slave address

-r refresh select refresh or not, 0-not refresh, 1-refresh, default refresh

**Change History:**

0.0.1 :

Initial release, Add support for Chicony’s PSU R18-2K0P1XA.

0.0.2:

Add support for Seaking’s CPLD, K900G3’s CM4, K900G2’s PIC.

0.0.3:

Add support for Nidoking CPLD, KQ80G4 CPLD PSU, TB600G4 CPLD PSU, TB800G4 CPLD PSU, ARBOK CPLD EXPANDER, SEAKING CPLD.

0.0.4:

Add support for Rhydon’s RETIMER.

0.0.5:

Add support for Rhydon’s FPGA,CPLD,PEX\_EEPROM.

0.0.6:

Add support for Tb600g4 Delta DPS-800AB-47C PSU

0.0.7：

Add compare Feature row and FEABITS, if different, let user select continue update or exit.

0.0.8:

Add -r to select refresh or not, 0-not refresh, 1-refresh, default refresh. Add -V to show Flashtool version.

0.0.9:

Add support DELTA PSU DPS-800AB-37D used on TB800G4\_CSL and seaking, add support LITEON PSU PS-2801-9L used on nidoking

0.0.10

Modify PSU AC check, if update PSU1, only check PSU2 AC status, if update PSU2, only check PSU1 status. Add retry update cpld if compare readback data find different.

0.0.11:

Add support DELTA PSU DPS-800AB-37D used on TB800G4, add retry when program or readback cpld i2c status busy.

0.0.12:

Add support project shieldon, PSU DPS-1300AB-6N, MLB CPLD, and 12HDDBP CPLD.

0.0.13:

Use pid to name cpld temporary file.

0.0.14:

Add support balder MLB CPLD, add support AS20G2 GPU board CPLD, add support AQ80G4 MLB and GPU board CPLD.

0.0.15:

Add support KINGLER MLB CPLD, 2HDDBP CPLD, 4HDDBP CPLD. Add support ARBOK Chicony R18-800P1VA PSU. Modify makefile support utool.

0.0.16:

Fix Bug that when use Tencent\_odm\_tools\_base\_iso\_20190611.iso to update CPLD, it will appear segmentation fault (core dumped).

0.0.17:

Add support Machamp MLB CPLD, 9HDDBP CPLD.

0.0.18:

Add support butterfree baseboard CPLD, pex9797,pex8747.

Add support entei MLB CPLD, 2HDDBP CPLD, chicony PSU R18-1K3P1XA.

0.0.19

Fix bug entei chicony psu can't update when power off. Just delete verify bit6 when check AC status.

0.0.20

Add support Horsea Chicony 'R18-800P1VA' and Liteon ‘PS-2801-9L’ PSU

Add support Machamp Delta 'DPS-1300AB-23B' PSU update (Bin file only) and model name verify

Fix Entei cpld 4HDDBP update problem

0.0.21

Add shieldon PSU liteon 'PS-2801-9L' and delta 'DPS-800AB-37D' support.

Fix machamp psu update mother board lose power problem.

Fix machamp psu can’t be updated again after abnormally interrupted problem.

Fix Horsea CPLD 12HDDBP update fail at the first frame problem.

Add frame print if error occurred.

Add machamp CPLD 8NVMEBP’s support.

0.0.22

Add horsea PSU PS-2162-6L’s support.

Add horsea 2HDDBP CPLD’s support.

Add fearow CPLD’s support.

Change machamp PSU update retry logic.

0.0.23

Add seaking PSU R18-800P1VA’s support.

0.0.24

Add Horsea PSU DPS-1300AB-6N’s support.

Add Seadra MLB CPLD’s support.

Remove Fearow CPLD update I2C operation.

0.0.25

Fix Horsea Ali PSU DPS-1300AB-6 N update issue.

0.0.26

Fix Machamp 9HDD BP CPLD and add 8HDD/4HDD BP CPLD.

Add Seadra 12HDD BP CPLD.

0.0.27

1. Add Horsea PSU R18-1K3P1XA support.

2. Add Seadra PSU R18-1K3P1XA support.

3. Add Entei PSU PS-2132-1L3 support.

4. Add support for lanplus driver. Use “-I lanplus” to specify.

0.0.28

1. Add Fearow CPLD hitless.

2. Renew Arbok CPLD and PSU update process.

3. Add Arbok PSU R18-1K3P1XA support.

4. Fix Seadra PSU R18-1K3P1XA “Get Device ID fail” bug.

0.0.29

1. Add TB600G4 PSU GreatWall CRPS1300D3RA support.

2. Add Machamp PSU ACBEL FSG032-600G support.

0.0.30

1. Add Golduck PSU PS-2801-9L and CPLD MLB/12HDDBP support.

2. Add Arbok PSU GreatWall GW-CRPS800N2 support.

0.0.33

1. Add Entei-eBay PSU Liteon PS-2132-1L support.

0.0.34

1. Add TB600G4 PSU GW-CRPS800N2RA support.

2. Fix Entei-eBay PSU PS-2132-1L continued upgrade failure after interruption.

0.0.35

1. Add Horsea Ali PSU CRPS1300D3A.

2. Add Entei Bytedance PSU PS-2132-1L.

3. Increase delay time for Fearow CPLD update refresh.

0.0.36

1. Add Nidoking Chicony PSU R18-800P1VA.

2. Add Sheildon GreatWall PSU GW-CRPS800N2A.

3. Increase delay time for Fearow CPLD update refresh to fix online refresh fail problem.